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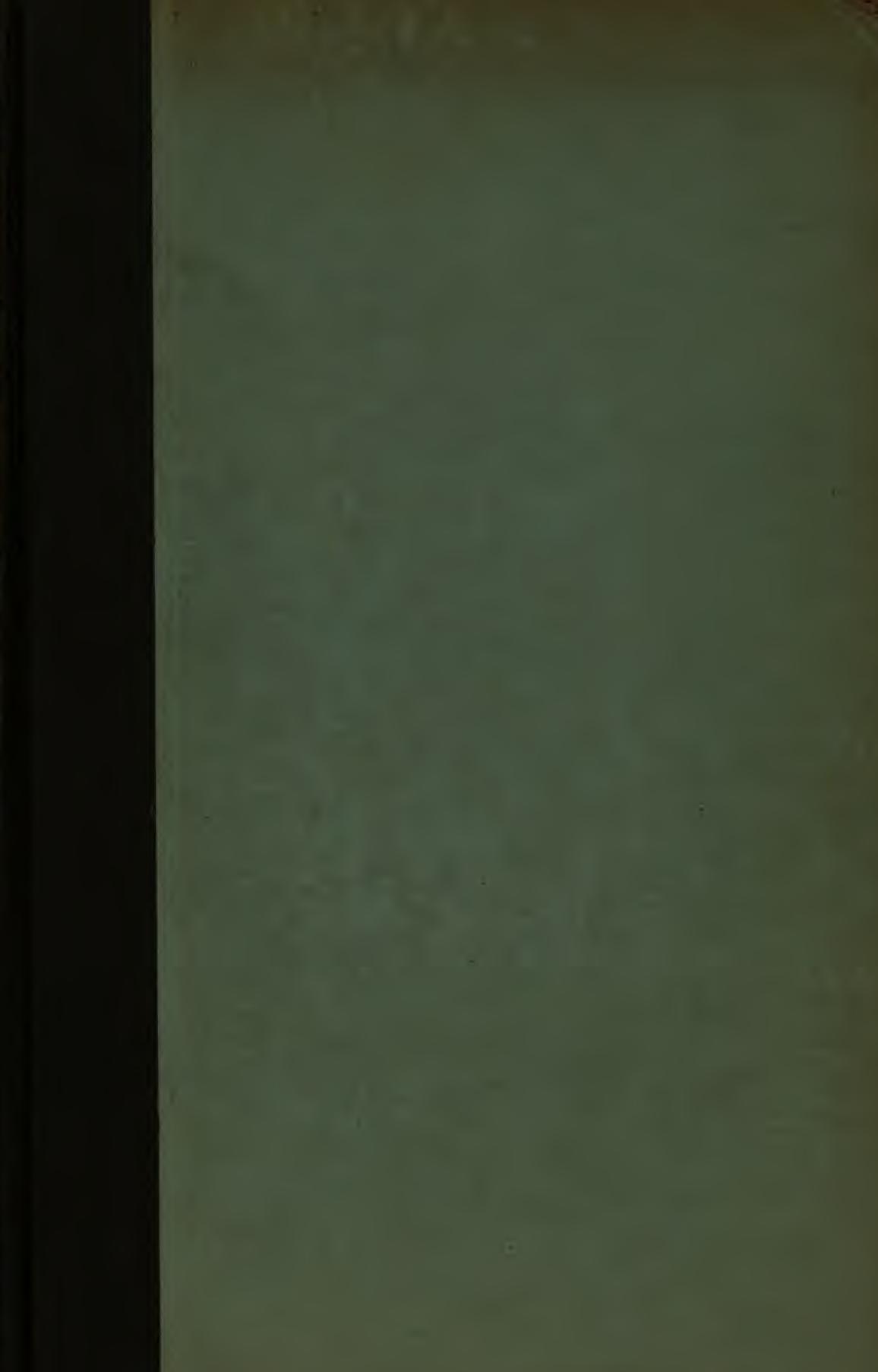
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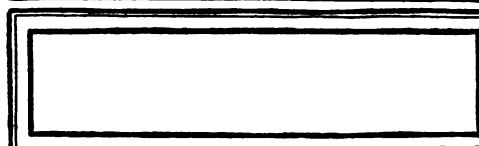
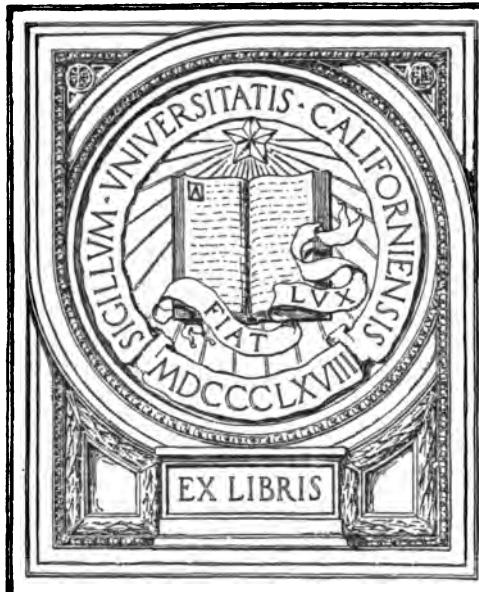
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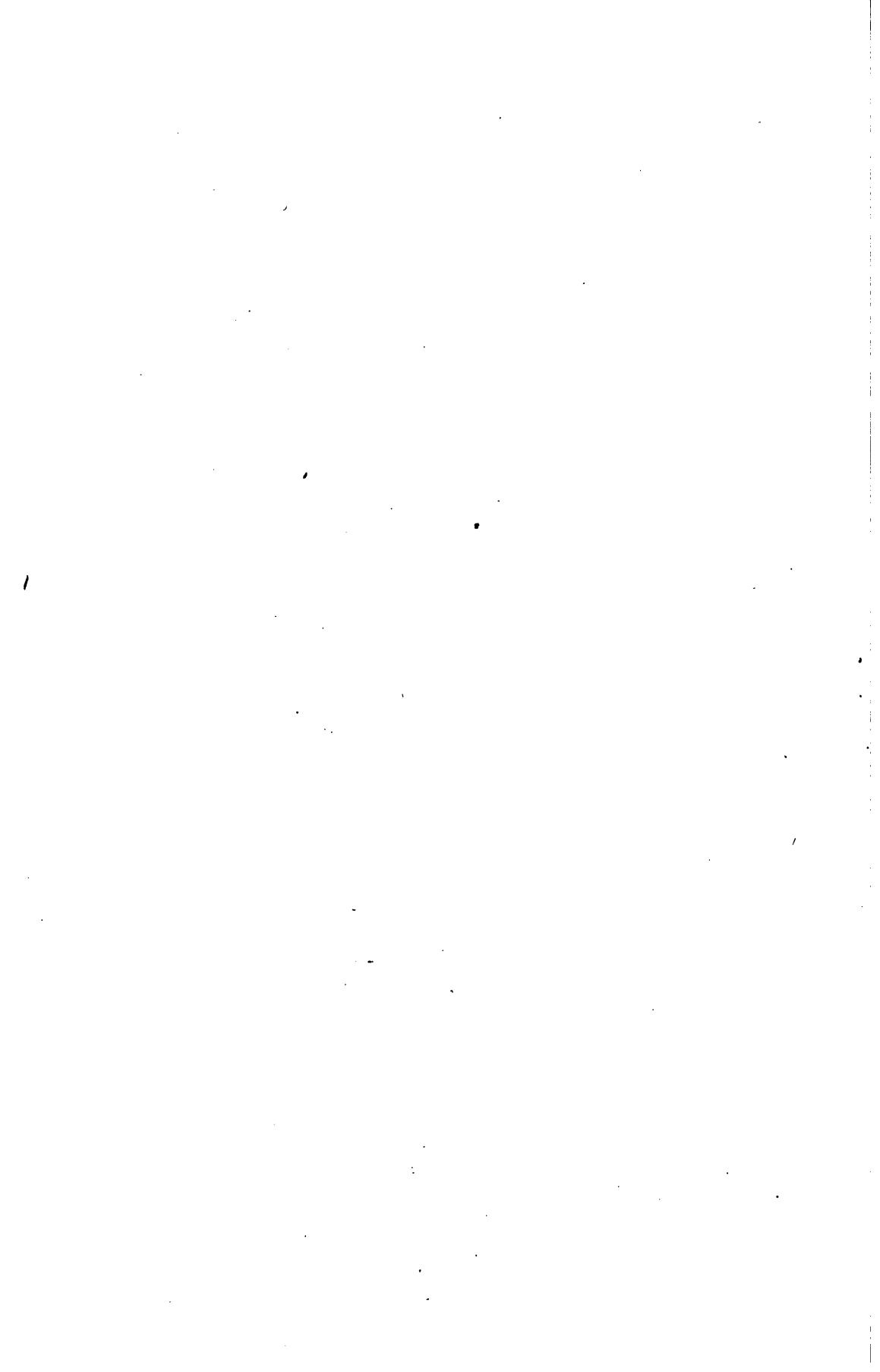
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GIFT OF
Cambridge City Clerk.







THE
REVISED ORDINANCES
OF
1892
OF THE
CITY OF CAMBRIDGE

AS AMENDED TO NOVEMBER 8, 1899

PUBLISHED BY ORDER OF THE CITY COUNCIL
UNDER THE DIRECTION OF THE CITY CLERK



BOSTON
E. L. CRIMES CO., PRINTERS, 122 PEARL STREET
1914

JS 683
A3
1914

TO VINTAGE
ADVERTISING

CITY OF
CAMBRIDGE

CITY OF CAMBRIDGE

Be it ordained by the City Council of the city of Cambridge, as follows:—

CHAPTER 1.

GENERAL PROVISIONS.

SECTION 1. All by-laws of the city shall be termed ordinances; and the enacting style shall be, "Be it ordained by the city council of the city of Cambridge, as follows."

Ordinances.
Enacting style
of.
P. S. c. 8, § 3.
cl. 15.
P. S. c. 27, § 15.
P. S. c. 28, § 6.

SECT. 2. All ordinances hereafter passed shall be recorded in the order of passage by the city clerk, in a book kept for that purpose, with proper margins and index, to be lettered, "Record of Ordinances of the City of Cambridge;" which book shall be kept in the office of the city clerk, subject to the inspection of the citizens.

Ordinances to
be recorded.

SECT. 3. All ordinances hereafter passed shall be published by the city clerk by inserting the same once in some newspaper published in the city, and shall be printed with the City Documents of the year next subsequent to the date of their adoption; but this section and section two of this chapter are directory only, and a failure to comply with the same shall not affect the validity of any ordinance.

Printing and
publication of
ordinances.
P. S. c. 27, § 23.

SECT. 4. This ordinance shall be known as the "Revised Ordinances of 1892,"¹ of the City of Cambridge, as amended to November 8, 1899, and, so far as its provisions are the same in effect as those of previously existing ordinances, it shall be construed as a continuation of those ordinances; but, subject to the said limitation and to the provisions of the next section, all ordinances of the city heretofore in force are hereby repealed; but this repeal shall not apply to or affect any ordinance heretofore adopted accepting or adopting the provisions of any statute of the commonwealth.

To be known
as "Revised
Ordinances of
1892, as amended to
Nov. 8, 1899."

Not to affect
ordinances
accepting
statutes.

SECT. 5. This ordinance shall not affect any act done, any right accrued, any penalty incurred, any suit, prosecution, or proceeding pending, or the tenure of office of any person

Not to affect
certain rights,
penalties, etc.

¹ Amended July 30, 1900.

Not to affect
certain proceed-
ings, tenure of
office, etc.

Power to
license.

Employers and
other persons
liable to penalty.

Construction of
the words "street"
and "streets."

Construction of
the words "public
grounds."

Construction of
the word "owner."

Construction of
the word "tenant"
or "occupant."

The word
"person."
Words giving
joint authority.

Fines and
penalties shall
inure to use of
city.
P. S. c. 27, §§ 19,
130.
P. S. c. 28, § 26.

holding office, at the time when it takes effect, nor shall the repeal of any ordinance have the effect of reviving an ordinance theretofore repealed or superseded, or the effect of preventing any punishment or penalty incurred before the repeal took effect, or of interfering with any suit, prosecution or proceeding pending at the time of the repeal, for an offence committed under the ordinance repealed.

SECT. 6. When in an ordinance anything is prohibited from being done without the license or permission of a certain officer, officers or board, such officer, officers or board, shall have the power to license or permit such things to be done.

SECT. 7. When anything is prohibited in an ordinance, not only the persons actually doing the prohibited thing, but also the employers and all other persons concerned therein shall be liable to the penalty prescribed.

SECT. 8. The words "street" and "streets," when used in an ordinance, shall be construed as including public ways, alleys, lanes, courts, public squares, public places and side-walks, unless such construction would be inconsistent with the manifest intent of the ordinance.

SECT. 9. The words "public grounds" shall include the common and all public lands placed by the city council under the charge of the ¹ Park Commissioners or the Water Board, and those parts of public places which do not form travelled parts of highways.

SECT. 10. The word "owner" applied to a building or land, shall include any part owner, joint owner, tenant in common, or joint tenant, of the whole or of a part of such building or land.

SECT. 11. The word "tenant" or "occupant," applied to a building or land shall include any person who occupies the whole or a part of such building or land either alone or with others.

SECT. 12. The word "person" shall include corporations.

SECT. 13. Words purporting to give a joint authority to three or more officers or other persons shall be construed as giving such authority to a majority of such officers or persons.

SECT. 14. All fines and penalties for the violation of any ordinance, or any order of the board of aldermen, shall, when recovered, inure to the use of the city, and be paid into the city treasury, unless it be otherwise directed by the laws of the commonwealth, or the ordinances of the city.

¹ Amended March 13, 1804.

SECT. 15. Whoever violates a provision of any ordinance of the city, whether included in these Revised Ordinances or those which may be hereafter enacted, shall, unless other provision is expressly made, be liable to a penalty of not less than one nor more than twenty dollars for each offence.

SECT. 16. The following departments are hereby created, Creation of the several departments of the city. 1891, c. 364, § 8, new charter. namely:

Assessors department.
 Auditing department.
 Bridge department.
 Cemetery department.
 City clerk department.
 City messenger department.
 Clerk of committees department.
 Engineering department.
 Fire department.
 Health department.
 Inspection and construction of buildings department.
 Inspection and supervision of electric wires department.
 Inspection of milk and vinegar department.
¹ Inspection of provisions and animals intended for slaughter or kept for the production of milk.
 Lamp department.
 Law department.
 Overseers of the poor department.
² Park department.
 Police department.
 Public library department.
 Sealer of weights and measures department.
 Sewer department.
 Sinking fund department.
 Street department.
 Treasury department.
 Water works department.

Each of the several departments shall be under the charge and management of the officers or boards designated in the respective chapters relating thereto, all to be under the general supervision and control of the mayor.

¹ Amended May 10, 1893.
² Amended July 11, 1893.

Departments to be under charge of, etc., mayor to have general supervision. 1891, c. 364, § 8.

CHAPTER 2.

THE EXECUTIVE.

Mayor to enforce the laws and ordinances, etc.
1891, c. 364, §§ 8, 35.

May summon heads of departments.
1891, c. 364, § 8.

May call special meetings of the city council.

Shall give information to city council, etc.
1891, c. 364, § 8.

Shall make appointments to fill vacancies, temporary and otherwise.
1891, c. 364, § 9.

Shall approve all bonds of city officers.

All deeds, etc., given by the city to be signed, etc., by the mayor.
1891, c. 364, § 12.

SECTION 1. The mayor shall at all times cause the laws of the Commonwealth and the ordinances, orders and regulations of the city to be executed and enforced by the proper officers; shall exercise general supervision and control over the official acts and conduct of all officers, and shall take proper action to cause every violation and neglect of duty on their part to be punished. He may, at any time, summon the heads of departments and subordinate officers before him for information, consultation and advice upon the affairs of the city.

SECT. 2. He may call special meetings of the board of aldermen and of the common council, or either, whenever in his opinion the interests of the city so require, by causing a written notice to be left at the usual dwelling-place of each member of the board or boards to be convened.

SECT. 3. He shall, from time to time, communicate to said boards, respectively, such information concerning the affairs of the city, together with his suggestions and recommendations relating thereto, as the interests of the city shall in his judgment require.

SECT. 4. Whenever a vacancy shall occur in an office filled by the appointment of the mayor with the confirmation of the board of aldermen, the mayor shall appoint some person, subject to such confirmation, to hold the office for the remainder of the unexpired term and until his successor is appointed and confirmed, and whenever any person holding such office shall be temporarily disabled from discharging the duties of his office the mayor shall designate some other officer or person to perform the duties of such office during the period of such disability.

SECT. 5. The bond of every city officer of whom a bond is required, and the sureties offered upon the same, shall be approved by the mayor before the officer enters upon the performance of his duties.

SECT. 6. All deeds, conveyances, leases and other instruments, which shall be given by the city, and which must be signed, sealed and acknowledged, shall be signed and acknowledged and delivered on behalf of the city, by the mayor, who

shall affix thereto the city seal. But this provision shall not be construed to prevent any officer from executing any conveyance, lease, contract or other instrument in performing the duties devolving upon him.

SECT. 7. Whenever the amount due and payable on any mortgage belonging to the city is paid to the treasurer, he shall certify the same to the mayor, who shall thereupon discharge the mortgage; or he may assign the same, without liability of or recourse to the city, and for that purpose shall execute and deliver all necessary papers.

SECT. 8. When a person entitled to redeem an estate sold for nonpayment of taxes or assessments and purchased by the city, makes application for such redemption, the mayor may, on the payment to the treasurer of the amount due to the city on such estate, execute in behalf of the city any and all legal instruments that may be necessary to transfer the city's title to such estate.

SECT. 9. The mayor shall approve all drafts drawn by the city auditor upon the city treasurer; and with the treasurer and auditor shall sign all bonds, notes and certificates of indebtedness issued for loans to the city authorized by the city council.

SECT. 10. The mayor shall appoint, subject to confirmation by the board of aldermen, for the terms hereinafter specified and until their respective successors are appointed and confirmed, the following officers, to wit:

In January.

(For one year from the first Monday in January.)

- One or more measurers of wood and bark.
- Two or more fence viewers.
- Two or more field drivers.
- One pound-keeper for each pound in the city.
- Three persons as a committee for the preservation of fish.
- A superintendent of public buildings.
- A keeper of lock-ups.
- A person to receive information of damage done by dogs.
- Two or more policemen without pay.
- Two or more constables.
- Two or more inspectors of junk shops, pawn-brokers' shops and second hand clothing stores and dealers.
- One or more weighers of hay.

What officers are to be appointed by the mayor in January.

Shall approve auditor's drafts.

Shall sign all bonds of the city, etc.

Shall appoint certain officers. Appointments shall be confirmed by board of aldermen. 1891, c. 384, § 9.

Officers appointed by the mayor in January.

- One or more weighers of coal.
- One or more public weighers.
- One or more weighers of boilers and heavy machinery.
- One or more persons to seize illegal charcoal baskets, measures and vessels.
- An inspector of milk and vinegar.
- One or more measurers of grain.
- One or more measurers and surveyors.
- One or more surveyors of mechanics' work.
- One or more auctioneers.
- Two or more undertakers.
- One member of the school committee as a trustee of the public library.

(For three years from the first Monday in February.)

- A member of the board of health.

(For three years from the first Monday in February.)

- Two cemetery commissioners.

(For three years from the third Monday in January.)

- Two trustees of the public library.

In February.

In February.

(For one year from the first day in March.)

- Five assistant assessors, one from each ward.

In March

In March.

(For one year from the first Monday in March.)

- A bridge commissioner.

In March or April.

In March or April.

(For one year from the first day of April.)

- A sealer of weights and measures.

- ¹ A deputy sealer of weights and measures.

(For four years from the first day of May.)

- A registrar of voters.

In April.

In April.

(For one year from the first day of May.)

- A superintendent of streets.

- A superintendent of lamps.

- A city engineer.

¹ Amended Jan. 3, 1902.

One or more inspectors of provisions and of animals intended for slaughter, or kept for the production of milk. ^{In April.}

¹ One or more inspectors of crude petroleum and its products.

(For three years from the first Wednesday in May.)

Two commissioners on the sinking funds of the city.

In June.

In June.

(For five years from the thirtieth day of June.)

One member of the water board.

(In January of every third year, beginning with the year 1802, for three years from the first Monday in February.)

A city physician.

SECT. 11. The mayor shall also appoint, subject to confirmation as aforesaid:

A harbor master who shall hold office until the appointment of his successor, and an inspector of wires who shall hold office until removed.

SECT. 12. In all removals of officers of the city by the mayor, he shall assign the cause of removal in writing, and shall fully state such cause in the records of his office.

SECT. 13. He shall appoint one or two police matrons for each police station which he shall designate as a station for the detention and confinement of all women under arrest.

SECT. 14. He shall designate some suitable person or persons, other than the overseers of the poor or persons employed by them, to cause to be properly interred the bodies of honorably discharged soldiers and sailors who may die in the city without leaving sufficient means to defray funeral expenses, as provided by Chapter three hundred and ninety-five of the acts of the year eighteen hundred and eighty-nine.

SECT. 15. He shall also appoint, subject to the confirmation of the board of aldermen as aforesaid, proper persons to fill vacancies in the police and fire departments of the city.

SECT. 16. Whenever the mayor shall be notified by the city engineer that any building or structure has been placed within the lines of a public street, or so that it may cause injury or inconvenience to a public street, he shall forthwith issue an order to the party offending, directing that the said building or structure be removed within a certain specified time, and in case of non-compliance the mayor shall direct that the encumbrance be removed at the expense of the delinquent.

Mayor shall appoint a harbor-master, P. S. c. 69, § 25, and an inspector of wires. 1890, c. 404.

Shall record causes of removal of officers.

Shall appoint police matrons. 1887, c. 234.

Shall designate person to inter deceased soldiers, without means. 1888, c. 395.

Shall appoint to vacancies in police and fire departments. 1891, c. 364, § 9.

When building within the lines of a street, the mayor shall attend to its removal.

¹ Amended June 2, 1911.



ORDINANCES

CONSTITUTING AND REGULATING THE SEVERAL

DEPARTMENTS

OF THE CITY



CHAPTER 3.

ASSESSORS.

SECTION 1. The assessors' department shall be under the charge of the board of assessors, who shall have and exercise all the powers, and be subject to all the duties and limitations of assessors of taxes, and shall devote their entire time to the duties of the office.

Vacancies which shall at any time arise in the board of assessors shall be filled for the remainder of the municipal year by the city council in joint convention.

SECT. 2. The assessors shall keep a full and complete record of the name of each male person of twenty years of age and upwards, and the names of all women twenty years of age and upwards, who shall request in writing over their own signatures to be assessed for a poll tax, having a residence in the city of Cambridge, together with the residence of each of such persons on the first day of May of the present year and of the preceding year; they shall also keep a record of all abatements, in a book provided for that purpose, which record shall contain the names of the persons whose taxes are abated, the amount of their taxes as originally assessed, the amount abated and the reasons for each abatement.

SECT. 3. They shall make out and deliver to the city collector, on or before the first day of September in each year, lists of all taxes assessed, together with a warrant for the collection of the sums named therein; and on or before the first day of every ensuing month they shall deliver lists of all additional or supplementary assessments made during the preceding month, together with warrants for their collection.

SECT. 4. The assessors shall render to the city auditor at the time when they send any tax list to the city collector, a statement of the amount of such tax list, so far as the amounts thereof have not been included in any statement previously made to him; such statement shall also include the amount of taxes which have been abated during each month, giving the year in which the taxes abated were laid.

SECT. 5. The assessors shall forthwith forward to the city collector all certificates of abatements allowed by them.

Apportion-
ment of sewer
and sidewalk
assessments.
P. S. c. 50, § 25.

SECT. 6. Whenever the board of aldermen shall apportion a sewer or sidewalk assessment, and certify such apportionment to the assessors, the assessors shall for each of the three years next ensuing add one of the parts of said apportionment, with interest from the date of the same, to the annual tax of the real estate of the person to whom such assessment is assessed.

CHAPTER 4.

AUDITING¹⁻²⁻³⁻⁴⁻⁵⁻⁶

SECTION 1. The city auditor shall have charge of the auditing department of the city. He shall hold his office for the term of three years as provided by Chapter 565, Acts of 1907. He shall receive such salary as the city council shall from time to time determine.

Auditing department in charge of city auditor.

Term and salary.

Whenever said office shall be vacant the city council shall fill Vacancy. the vacancy for balance of the unexpired term in the same manner as provided for in the election of the auditor.

SECT. 2. The auditor shall have the custody of the surety bonds of all city officials required to furnish bonds, and of all contracts and bonds given to the city to secure contracts; of all insurance policies in which the city has an interest, and he shall keep a register of the dates, and amounts of such bonds, contracts and insurance policies, and shall notify the mayor whenever a bond or insurance expires.

Custody of official bonds, etc.

The auditor shall receive from the treasurer and carefully hold all bonds, notes, scrip and other certificates of indebtedness together with coupons issued by the city, and executions against the same after they have been paid, and shall keep a registry thereof. Immediately upon receiving any bond, note, scrip, coupons, execution or other certificate of indebtedness from the treasurer, the auditor shall deliver to him an order for the payment of the same.

SECT. 3. Subject to the approval of the mayor, he shall Books and direct the manner in which the books and accounts of all offices accounts. and departments of the city shall be kept, and once in each month he shall prepare and furnish to the mayor, to each member of the city council, and to each department, a printed statement showing the condition of each account, the amount of appropriations and receipts, the expenditures and the unexpended balances under each; loans issued and authorized

¹ Amended Dec. 30, 1903.

² Amended March 18, 1904.

³ Amended April 12, 1904.

⁴ Amended June 11, 1906.

⁵ Amended June 10, 1909.

⁶ Amended March 30, 1912.

Report of
receipts, etc.

with date, rate, term and amounts, borrowing capacity and such other data relating to the city's financial condition as may be asked for by the mayor.

He shall report to the city council at the earliest possible date after March 31st of each year, the expenditures and receipts during the preceding financial year, giving in detail the amount of appropriations and expenditures, and the receipts and source of income. He shall include in said report, a statement of the funded and temporary loans, and rates of interest thereon, and shall exhibit all the liabilities and assets as shown on the books in his office at the close of the financial year.

SECT. 4. No persons, agent or board shall make any purchase unless the same be made on an order or requisition blank furnished by the city auditor, and the auditor may reject any bill presented in violation of this section.

In case of any error or informality, he shall make note of the fact and return the bill or demand with the objections to the officer or board presenting the same, and when the auditor has any doubt concerning the propriety or correctness of such bill or account, if it be not satisfactorily explained, he shall refer the same at once to the mayor for consideration and final decision.

The auditor shall be empowered, in case he deems it for the best interests of the city, to withhold the payment of any bill. If such action be taken he must submit his reasons therefor to the mayor in writing within five days, who shall pass upon the matter finally and submit his decision in writing within ten days as to what disposition should be made of the account, giving his reasons therefor, in case he does not approve of the action of the auditor.

Order or requisition blanks shall be made in triplicate, be consecutively numbered, the original to be delivered to the person from whom the purchase is to be made, one delivered to the auditor within one day of the issuing of such requisition, and the other copy retained by the department.

These orders or blanks shall state the department from which they issue, the appropriation to which the expenditure is to be charged, the name and address of the person, firm or corporation from whom the purchase is to be made, the item or items wanted, amount, and the price of each, terms and provisions for cash discount of not less than 2 per cent for

payment ten days from date of receipt of the bill for goods by the department issuing order or requisition, and request that bills in duplicate be immediately sent to department.

Upon receipt of bills if they agree with the order or requisition, the head of the department, or in departments under charge of executive boards, such person as the board may authorize by vote to sign requisitions, orders and approve bills, shall approve the bill and forward it to the auditor's office within one day of date or receipt by the department.

If purchase, contract, order or requisition involves an amount exceeding \$300, the order or requisition therefor shall be approved by the mayor before the city shall be held liable therefor. The passage of this ordinance shall not repeal the provisions of sections 8 and 12 of chapter 28 of the revised ordinances of the city of Cambridge, as amended to November 8, 1899.

SECT. 5. The mayor is hereby authorized to draw orders on the treasurer for the payment of accounts and claims approved and certified as provided in this chapter. He may draw his order to pay any sum not exceeding three-fourths of the amount then due, by way of advance on contracts made, or on work begun and not completed, upon being satisfied of the necessity therefor by a certificate signed by the board or head of department controlling the expenditure, within the sum especially appropriated therefor by the city council, or draw his order for any sum upon the express order of the city council.

Drafts upon the treasurer.

Drafts in account of contracts.

He shall draw his order for the weekly payment of the wages of such employes as are entitled by law to be paid weekly; the amounts of such wages to be entered upon pay rolls which shall be made up to the last day of the week and certified to as correct by the heads of the respective departments, except where a department is under the charge of an executive board, in which case they shall be so certified by some officer designated by said board; all such amounts to be within the appropriations to which the same shall be chargeable.

Drafts on account payments of employees.

He shall draw his order for the payment of the salaries of the teachers of the public schools, and the sum due for state, military aid and soldiers' relief; the amounts of such salaries to be entered upon pay rolls which shall be certified to be correct by the school committee, and the amounts of such sum

Drafts for school teachers' salaries.

for state and military aid and soldiers' relief to be entered upon pay rolls, which shall be certified correct by the committee on soldiers' relief, such amounts to be within the appropriations to which the same shall be chargeable.

**Drafts from
emergency fund.**

And provided further, that he may, from time to time, draw his orders upon the treasurer for the payment of such sums as he may deem necessary to be paid out of any appropriation which may be made and set apart by the city council as a fund to meet emergencies, but never to exceed the amount of such appropriation.

Other pay rolls shall be made up to include the last day of each month and pay day for the same and for bills received up to the eighth day of the month which comply with section 4, shall be the 10th of each month, or the business day following, if such date occurs on Sunday or a legal holiday.

Bills received and audited in compliance with section 4 up to the 18th of the month shall be paid on the 20th of each month, and those received and audited as approved up to the 28th of the month shall be paid on the 30th of each month provided they are in compliance with section 4 as to cash discounts.

**Treasurer may
pay judgments,
bonds, notes, etc.**

SECT. 6. No money shall be paid out of the city treasury except upon the written order of the mayor, addressed to the treasurer, countersigned by the auditor: *provided, however*, that the treasurer may pay before such order is drawn, any sum of money due on the principal or interest of any note, bond or other security of the city, or on any judgment against the city, and also refunds certified by the water registrar, board of assessors or for minors' license.

**Method of keep-
ing auditors'
accounts.**

SECT. 7. The auditor shall keep his accounts in such form and in such detail as may be necessary to a clear exhibit of all expenditures, liabilities and receipts. He shall credit each city account with its appropriation for the financial year, and with all revenue received, on the account of same, and charge against the same the expenditures and liabilities as they shall from time to time be made. Whenever an appropriation for any account is expended, he shall immediately give notice thereof to the mayor, and the city council, and he shall not pass or allow any claim or account chargeable against such appropriation until the city council shall provide the means of paying the same.

**Shall notify the
mayor when an
appropriation
is expended.**

SECT. 8. The auditor shall countersign all the bonds, notes and certificates of indebtedness issued for loans to the city, authorized by the city council and also all the orders drawn by the mayor on the treasurer as provided in section 5 of this chapter.

The financial year shall begin on the first day of April and the auditor shall make up his accounts to include the last day of March annually. Shall make an annual report to the city council.

SECT. 9. No person, board or commission unless authorized under the statutes, shall collect or receive any moneys for any purpose whatsoever on behalf of the city of Cambridge, except the city treasurer or his authorized agents. Whenever it shall appear to the treasurer that moneys should be paid direct to departments, the same shall be paid only by the authority of the treasurer and to such person as he shall designate and under such conditions as he shall prescribe, and all returns to the treasurer, and all rates, bills and assessments (except tax bills) due the city shall be made out upon such forms as the auditor shall deem necessary for a proper accounting and interlocking of the accounts of the several departments with the books and accounts of the auditing department. All moneys paid under authority of treasurer.

The auditor shall procure at least as often as once a month from the banks in which the city's funds are deposited, a certified statement of the city treasurer's balance and he shall examine the treasurer's books and accounts and ascertain their correctness, and report on the same monthly to the city council. Auditor will examine monthly the treasurer's books.

SECT. 10. It shall be the duty of the auditor to examine once a year, or as often as the mayor may direct, the books, records, and accounts of the several departments and executive boards, and make his recommendations to the mayor of such modifications, improvements or changes as may be deemed advisable and it shall be the duty of the auditor to order and govern the installation of such modifications, improvements or changes. Shall examine books and accounts of departments and boards.

SECT. 11. Annually in the month of April, and at other times when requested by the mayor, the auditor shall make written report to the mayor of all unfinished contracts in his possession made with the city and of the existing condition of each contract. Shall make annual report to mayor of all unfinished contracts.

**Repeal of
ordinances
inconsistent.**

SECT. 12. All ordinances or parts of ordinances inconsistent herewith are hereby repealed and all ordinances not inconsistent herewith remain in effect.

SECT. 13. This ordinance shall take effect on the 31st day of May in the year one thousand nine hundred and twelve.

CHAPTER 5.

BRIDGE.

SECTION. 1. The bridge department shall be under the charge of the commissioner of bridges, who shall have the care and management on the part of this city of the West Boston, Craigie's, Harvard and Prison Point bridges. He shall hold office for the term of one year from the first Monday in May in the year of his appointment and until his successor is appointed. He may be removed by the mayor, after due hearing, with the approval of a majority of the board of aldermen. A vacancy may be filled for the unexpired term at any time in the same manner as provided for the original appointment.

Bridge department in charge of the commissioner of bridges.

Term of office.

Removal.

Vacancy.

SECT. 2. He shall have and exercise all the powers in relation to the care and management of the bridges, conferred by the three hundredth and three hundred and second chapters of the acts of the year eighteen hundred and seventy, and chapter one hundred and fifty-five of the acts of the year eighteen hundred and eighty-two, and of any and all other bridges which may at any time be placed in his charge by the city council.

Powers and duties.

SECT. 3. He shall annually, in December, report to the city council a particular account of all expenditures, the property on hand, the number of times the draws have been opened, and other matters of general interest in relation to said bridges, for the previous year, with an estimate of the amount required of the city for the care and maintenance of said bridges for the year ensuing.

Shall make annual report to the city council.

CHAPTER 6.

CEMETERY.

Cemetery department in charge of the cemetery commissioners.
1855 c. 44.
1865 c. 225.
1891 c. 364, § 38.

Term of office.

Vacancies.

Duties.

Authority.

Deeds of lots to be made by the mayor.

Annual report.

Perpetual care of lots in the Cambridge cemetery.
P. S. c. 82, § 17.

Money paid for perpetual care of lots, how applied.

SECTION 1. The cemetery department shall be under the charge of a board of six commissioners to be styled cemetery commissioners, two of whom shall be appointed in the month of January of each year, by the mayor, subject to confirmation by the board of aldermen, to hold their office for the term of three years from the first Monday of the February following their appointment. A vacancy in said board may be filled for the unexpired term at any time in the same manner as provided for the original appointment.

SECT. 2. Said board shall have the care, superintendence, and management of the Cambridge cemetery, so called, and also of the burial ground on Garden street.

SECT. 3. Said board of commissioners shall have authority to sell rights of burial in the Cambridge cemetery, but all deeds and conveyances shall be executed by the mayor in the name of the city, and recorded by the city clerk in a book kept for that purpose.

SECT. 4. The commissioners shall annually, in the month of December, make and render to the city council a report of all their acts, doings and proceedings and of the condition of the said cemetery and burial ground, and an account of their receipts and expenditures for the year ending November 30th.

¹ SECT. 5. The board of cemetery commissioners shall determine the amount necessary to preserve and care for any lot or grave in Cambridge Cemetery, and shall also, by itself or any committee thereof, determine what lots or graves may be received under perpetual care. The income of any sums so determined shall be applied by said board for the preservation, care, improvement or embellishment of any such lot or grave.

SECT. 6. All sums of money which the board of commissioners of the Cambridge cemetery shall receive from the city treasurer as interest upon sums which have been paid by owners for the perpetual care of lots and graves in the Cambridge cemetery, shall be faithfully applied by said board in

¹ Amended June 10, 1904.

accordance with the notices of the city treasurer designating the particular lots and graves on account of which the several payments have been made.

SECT. 7. The fund so created shall be denominated the "cemetary fund for the perpetual care of lots." Fund for
perpetual care
of lots.

¹ SECT. 8. Proprietors of lots may, upon forms prescribed by the board of cemetery commissioners, reconvey said lot or lots to the city of Cambridge; and the board of cemetery commissioners may accept the same, for and in behalf of the city of Cambridge, upon certain trusts in said deed of reconveyance to be expressly mentioned. But in no event shall any such deed of reconveyance be accepted as aforesaid, unless and until there shall be deposited with and held by the city treasurer, in accordance with section 4 of chapter 25 of the revised ordinances, a sum sufficient, in the opinion of the board of cemetery commissioners, to provide for the perpetual preservation and care of such lot or lots and their several respective appurtenances, including the care of the grass, resodding, erecting, placing, keeping in repair, and the renewal of any tomb, curb, monument, headstone, and fence now or hereafter to be placed on said lot or lots. Any proprietor, so reconveying any lot or lots as aforesaid to the city, may in said deed reserve to himself and to such as may be beneficiaries thereunder the right of admission and such supervision as to the board of cemetery commissioners may seem proper, and as may not be inconsistent with the rights which have vested in said city of Cambridge.

¹ Amended March 29, 1894.

CHAPTER 7.

CITY CLERK.

City clerk department in charge of city clerk.
P. S. c. 27, § 78.

Term of office.

Duties.
P. S. c. 28, § 2.
1891, c. 384, § 19.

Shall give a satisfactory bond.

Election to be void if bond not given.

New bond, when to be given.

Shall give notice to the auditor of money orders, etc.

**Shall pay daily to treasurer all moneys received.
Shall report sewer and sidewalk abatements.**

SECTION 1. The city clerk department shall be under the charge of the city clerk, who shall hold his office for the term of one year from the first day of March in the year of his election and until his successor is elected and qualified. He shall have the care and custody of the city records and of all documents, maps, plans and papers of the city, respecting the care and custody of which no other provision is made. He shall attend all meetings of the board of aldermen, and all meetings of both branches of the city council, when met in convention, and he shall keep records of the proceedings at all such meetings.

SECT. 2. The city clerk shall give to the city a bond, with sufficient sureties, in the sum of three thousand dollars, in such form as shall be satisfactory to the city solicitor, and subject to the approval of the mayor, which bond shall be executed, approved and delivered before he enters upon the duties of his office, and within ten days after his election. Should he fail to give such bond within the time herein required, the election shall be void, and a new election shall be had forthwith. In case of the death or insolvency of any of the sureties upon any bond so given, the city clerk shall immediately notify the mayor and give a new bond, with sufficient sureties, as hereinbefore provided; and if he fails to give such new bond within a reasonable time after notice to do so, it shall be sufficient cause for his removal from office.

SECT. 3. The city clerk shall notify the auditor of all orders passed by the city council or board of aldermen, authorizing appropriations, expenditures, assessments, apportionments or abatements, immediately after such orders are approved. He shall also report to him daily all amounts received by him, and paid to the treasurer, on account of licenses or fees of any description. He shall pay over to the treasurer daily all moneys received by him on account of licenses or fees of any description. He shall report to the treasurer all orders for sewer and sidewalk assessments, and

all apportionments and abatements thereof, immediately after such orders are approved. ¹ Six months before the expiration of the time when an assessment of betterments for any street improvement must be made, he shall notify the city council of the date of said expiration.

SECT. 4. The assistant city clerk shall assist the city clerk in recording, indexing and certifying all documents and papers required by law to be filed in the office of, or recorded by, the city clerk, and shall perform all other duties pertaining to the office of city clerk when thereto requested by the city clerk, or when from any cause the office of city clerk shall be vacant.

SECT. 5. The assistant city clerk shall give a bond in such form as the city solicitor shall approve, with sufficient sureties, to be approved by the mayor, in the sum of three thousand dollars, which bond shall be executed, approved and delivered before he enters upon the duties of his office, and within ten days after his election. Should he fail to give such bond within the time herein required, the election shall be void, and a new election shall be had forthwith. In case of the death or insolvency of any of the sureties on any bond so given, he shall immediately notify the mayor and give a new bond, with sufficient sureties, as hereinbefore provided; and if he fails to give such new bond within a reasonable time after notice to do so, it shall be sufficient cause for his removal from office.

Assistant city
clerk.
1891, c. 364, § 19.

Duties.

Shall give
a bond.

Election void if
bond not given.

New bond
given, when.

¹ Amended May 26, 1898.

CHAPTER 8.

CITY MESSENGER.

City messenger
department in
charge of city
messenger.
1891 c. 364, § 19.

Duties.

SECTION 1. The city messenger department shall be under the charge of the city messenger, who shall hold office for one year from the first day of May, in the year of his election and until another is chosen in his place, subject to removal, at any time, by the city council.

Shall purchase
stationery, etc.

SECT. 2. The city messenger shall attend to the opening and closing of the rooms in the city hall, and have the care and charge of the same; shall attend all meetings of the board of aldermen and of the common council; shall wait upon all committees and boards when in session at the city hall, and, in general, shall perform all services required by the mayor, by either branch of the city council, or by such committees or boards, and shall receive such compensation as the city council may determine.

Monthly reports
to auditor.

Annual report
to the city
council.

SECT. 3. The city messenger shall purchase all supplies of stationery required for the use of the city council and departments acting thereunder. He shall keep a detailed account of all such purchases and deliveries from the same, and shall furnish each department only upon a requisition signed by the head of such department, and take a receipt for all articles delivered. He shall make monthly reports to the city auditor of all stationery furnished by him to each of the several departments of the city. He shall have charge of all printed matter, bound volumes and books of reference belonging to the city and not delivered to the departments, and shall distribute the same, or keep them in convenient form for reference, according to such rules as the committee on printing shall adopt. He shall report to the city council annually, in December, giving a general statement of purchases, deliveries and stock on hand, with a catalogue of all additions to the reference library.

CHAPTER 9.

CLERK OF COMMITTEES.

SECTION 1. The clerk of committees department shall be under the charge of the clerk of committees, who shall hold his office for the term of one year from the first day of May in the year of his election and until his successor is elected. He shall act as clerk of all committees, standing or special, of either branch, and of both branches of the city council, not otherwise provided for by ordinance or order, and shall receive such compensation as the city council shall determine.

Clerk of committees, department in charge of. 1891, c. 364, § 19.

SECT. 2. He shall make a proper record, in books kept for the purpose, of all proceedings and transactions, and keep a calendar of all meetings of the committees of which he is clerk, and, when requested by the chairman, notify the members thereof. He shall perform such other duties and services, in making estimates and computations, drawing orders and reports, and rendering assistance, as such committees shall require.

Shall keep books of record, etc.

SECT. 3. The clerk of committees shall appoint an assistant clerk, who shall assist him in the performance of the duties of his office, and shall discharge the duties of the clerk of committees when that officer is absent and whenever there is a vacancy in his office.

Assistant clerk of committees, how appointed. 1891, c. 364, § 34.

His duties. 1891, c. 364, § 34.

CHAPTER 10.

ENGINEERING.

Engineering department in charge of the city engineer. 1891, c. 364. §§ 9, 10.

Duties.

Charge of all plans.

Charge of the construction of public works.

Shall supervise repairs of bridges.

Shall measure work done by contract.

Shall make surveys and plans, and perform services required of him.

SECTION 1. The engineering department shall be under the charge of the city engineer, who shall hold his office for the term of one year from the first day of May in the year of his appointment and until his successor is chosen. He shall receive such compensation as the city council may determine.

SECT. 2. The city engineer shall exercise a general supervision of all matters within said department; he shall be consulted in relation to public improvements of every kind where the advice of a civil engineer would be of service. He shall have the charge of all plans of streets, drains, sewers and structures of every kind, not especially belonging to other departments, and shall keep the same properly classified and indexed; and he may make such rules and regulations, concerning the taking of plans from his office, as he may deem necessary to insure their safety.

SECT. 3. Unless otherwise specially provided, he shall take charge of the construction of all public works of the city which properly come under the direction of the civil engineer; shall perform all engineering services and make all examinations and prepare all statements, plans, specifications and contracts which any department may need in the discharge of its duties; shall, upon being notified by the mayor, supervise all repairs on the bridges used as highways, which affect the safety of the structures, and when required by the mayor, or by any officer or board in charge of a department, shall measure the work done by contract for the city, and certify to the results of such measurement.

SECT. 4. He shall, either by himself or his assistants, make such surveys, plans, profiles, estimates and descriptions as may be required of him by the mayor, the board of aldermen, the city council or any committee thereof; and he shall perform all other such services for the city, which properly come under the direction of a civil engineer, as may be required of him by the mayor, the board of aldermen, the city council or any committee thereof, the city solicitor, the water board, or the board of cemetery commissioners.

SECT. 5. He shall take charge of all plans and surveys relating to the laying out, widening, extending, and grading of streets, and the establishing of correct lines for the same, and of all such structures and public works of the city as the city council may direct; *provided*, that nothing in this section shall be so construed as to authorize him to interfere with existing departments or boards of officers, or with any which may be hereafter established whose duties may be clearly defined.

Plans and laying out of streets.

Shall not interfere with other departments.

SECT. 6. He shall give to all applicants so far as the files and records of his office will permit, any information as to the lines and grades of streets on which their estates are situated, or upon which they intend to build. And all information of this character furnished to owners of estates, or persons representing them, or to those intending to build, shall be without charge. ¹ It shall be his duty to ascertain the proper foundation grade for the superstructure of every building to be erected by the city, and immediately thereafter to furnish all necessary information in relation thereto to the superintendent of public buildings.

Shall give lines and grades of streets, free of charge.

Foundation grade.

SECT. 7. Whenever he shall ascertain that any building or structure has been placed within the lines of a public street, or so that it may cause injury or inconvenience to a public street, he shall immediately give notice thereof in writing to the mayor.

Shall notify the mayor of encroachments on the public streets.

P. S. c. 54.

SECT. 8. He shall annually, or oftener if required, carefully examine all the bridges within the city limits, and make such reports respecting their condition as to safety, need of renewal or repairs, as the case may require.

Shall annually examine the bridges, etc.

SECT. 9. He shall annually, in the month of December, present to the city council a report in relation to his department, showing the number of persons employed, the detailed expenses of the department, the general nature of the work, the property under his charge, the condition of all structures that come under his supervision that are in process of construction, or that have been completed during the previous year, and such other general information, in relation to the same, as he may deem expedient.

Annual report to the city council.

¹ Amended Dec. 29, 1897.

CHAPTER II.

FIRE¹⁻⁵⁻⁶⁻⁷⁻⁸⁻⁹⁻¹⁰⁻¹¹

SECTION 1. A fire department is hereby established for the city of Cambridge with such officers, apparatus and regulations for the government thereof as may be prescribed in this ordinance.

Members.

²Said department shall consist of one hundred and five (105) permanent men and thirty-three (33) call men, divided into seven (7) companies, two (2) chemical engine companies and four (4) ladder companies.

¹² The permanent force of the fire department shall be increased by eight members who shall be assigned as the chief engineer may direct. A corresponding reduction of eight shall be made in the number of call members of the department.

Said department shall be under the charge of the chief of fire department. The officers of said department shall be a chief, a deputy chief, one permanent captain for each steam engine company, one for ³each ladder company, and for each chemical company, and one permanent lieutenant for each steam engine company and for each ladder company, and one permanent lieutenant who shall be designated as the chief's aid, and he shall be the driver of the chief's wagon, one engine man and one assistant engine man for each engine company, and there shall also be sufficient hose men and ladder men, to be divided into companies as the number of engines and other apparatus belonging to the city may require, and as the city council may from time to time prescribe.

SECT. 2. The members of the department shall be assigned as the chief of fire department may from time to time direct. All officers and members shall be appointed by the mayor, subject to the confirmation of the board of aldermen, but no person shall receive an appointment as a fireman until he shall have filed with the chief of fire department a certificate from

¹ Amended March 22, 1910.

² Amended Nov. 14, 1911.

³ Amended June 13, 1911.

⁴ Amended June 25, 1912.

⁵ Amended Dec. 28, 1900.

⁶ Amended April 10, 1901.

⁷ Amended Dec. 31, 1901.

⁸ Amended May 8, 1907.

⁹ Amended Dec. 27, 1907.

¹⁰ Amended April 20, 1908.

¹¹ Amended and repealed March 22, 1910.

¹² Amended Feb. 20, 1911.

Department in charge of chief.

Appointment of members.

the city physician that he is physically capable of performing the duties as such fireman.

In case of any vacancy in office or membership in the fire department, such vacancy shall be filled within thirty days by appointment and confirmation as aforesaid.

No person shall be appointed or continue a member of the fire department who cannot qualify as a legal voter in this city, and no call man or substitute call man shall be appointed or continue as such unless his daily occupation is carried on within this city.

¹ The permanent force of the fire department shall be increased by eight members who shall be assigned as the chief engineer may direct. A corresponding reduction of eight shall be made in the number of call members of the department.

SECT. 3. The titles of chief engineer of fire department and assistant chief of fire department shall be and hereby are changed to chief of fire department and deputy chief of fire department, respectively.

SECT. 4. In construing this ordinance, the word "chief" shall mean "chief of fire department," the words "deputy chief" shall mean "deputy chief of fire department," and the word "department" shall mean "fire department," unless a contrary meaning plainly appears.

SECT. 5. The chief and deputy chief and all officers and members of the fire department shall hold their respective offices and places until they are removed, or their offices or places are otherwise vacated. The mayor, for cause assigned by him, and after due hearing by him, may, with the approval of the majority of the board of aldermen, at any time remove from office or place the chief, deputy chief, or any officer or member of the department.

SECT. 6. The chief and the deputy chief, on their appointment, shall each receive a warrant in the words following: "This certifies that — is appointed chief of fire department (or deputy chief of fire department) of the city of Cambridge, and is entitled to all the immunities and invested with all the powers belonging to said office. Given under our hands this — day of —, A. D. —, —, mayor, — city clerk.

SECT. 7. The fire department shall be governed by the following particular regulations, to wit:—

¹ Amended Feb. 10, 1911.

CHIEF OF THE FIRE DEPARTMENT.

Duties of chief.

RULE 1. The chief shall have and exercise supreme command at all fires, over the officers and members of the department.

He shall have the right to establish a barrier line or limit of approach at any place or places in this city at which a fire is or has been in progress, to be known as and called "a fire line."

He shall see that all ordinances, orders and regulations of the city government relating to the fire department are strictly enforced, that proper discipline is maintained and observed by the officers and members of the department, and that no favoritism is accorded to any member.

He shall have charge of all department supplies under the direction of the mayor. He shall be the custodian of all property belonging to the fire department, and shall keep or cause to be kept in good repair and ready for immediate service all fire apparatus, and shall otherwise perform all the duties of the chief as prescribed in the ordinances of the city.

He shall not leave the city without first notifying the deputy chief, and he shall not leave the city for a period of more than twenty-four hours without first notifying the mayor.

The chief shall examine into the condition of all property belonging to the city and used by the fire department, and shall cause the same to be kept in good condition and repair and ready for immediate service. He shall inspect or cause to be inspected by the deputy chief the houses and apparatus of the department as often as once each week. He shall keep or cause to be kept a record of all his official acts and correspondence, together with a strict account of all receipts and expenditures, and such other records or books as the mayor may direct.

He shall have authority to designate from among the permanent men in the department a driver for the chief's wagon.

He shall designate from among the ladder men and hose men, one member in each company as senior man, who shall have all authority in said company in the absence of the captain and lieutenant.

He shall carefully inspect the buildings and structures within the city, so as to prevent the owners or occupants of such parts of such buildings or structures, as he may designate, from erecting or maintaining any defective chimney, hearth,

oven, stove or stove pipe, fire frame or any other fixture, the deposit of ashes or whatever else may give just cause of alarm, or be the means of kindling or spreading fire.

Whenever, by reason of length of service, the pay of any member of the fire department is to be increased, he shall transmit to the mayor notice thereof before placing the name of such member upon the pay roll at the increased rate of compensation.

He shall prescribe in writing the hours for feeding of horses. He shall transmit to the city physician notice of the incapacity, by reason of illness or accident, of any member.

He shall cause to be printed and kept constantly on hand a manual containing the ordinances and the rules and regulations governing the department, and such other information as may be useful to the members of the department. He shall provide each member of the department with a copy of said manual, and hold said member responsible for its safe-keeping.

He shall report annually to the city council the condition and needs of the department, the number of men therein and their names, the number and names of all members who have resigned or deceased, or who have been discharged during the year, and all statistics and information regarding the fires in the city during the year, the losses by fire, the causes of fire, and its prevention or extinguishment, and such other information, and make such recommendations as he may deem wise.

RULE 2. In the absence or upon the disability of the chief, ^{In absence of chief.} the deputy chief shall act in his place, with his full duties and powers, and in the absence or upon the disability of the chief and deputy chief, the captain, senior in service as such captain, shall so act.

RULE 3. During the temporary absence of the chief from quarters the deputy chief shall remain in quarters, and in absence of both chief and deputy chief, the senior captain, as aforesaid, shall be empowered to act as chief.

RULE 4. All general orders, and when consistent, special ^{Deputies in writing.} orders, shall be given in writing, and a record kept of the same.

DEPUTY CHIEF.

RULE 5. Except on day off or vacation, the deputy chief ^{Duties of deputy chief.} shall give his entire time to the interests of the fire department. It shall be his duty to answer all alarms from stations

assigned him by the chief and to take charge of the department during the absence of the chief.

RULE 6. The deputy chief shall be in duty at a station assigned to him by the chief when the chief is necessarily called elsewhere on department business or on leave of absence, and he shall perform such other duties as the chief may direct.

CAPTAINS.

Duties of
captains of com-
panies.

RULE 7. Captains of companies shall have immediate command and be directly responsible for discipline and condition, and also for the proper care of the horses, apparatus and other equipment under their charge; assume command at fires when they are the first to arrive, and exercise command and control until a superior officer arrives and assumes command.

They shall give direction to drivers to feed, groom and exercise the horses under their care.

Duties of
captains of engine.

RULE 8. Captains of engine and hose companies shall see that all hose carried in the hose wagon shall be rearranged at least once a month.

Condition of
buildings.

RULE 9. The captains shall see that the buildings, premises, fixtures and furniture are kept neat and clean, and that the personal habits of the men are cleanly and wholesome. They shall not permit members or visitors to speak disrespectfully of any officer or member of the department. They shall see that the beds are properly aired and made up each morning. The housework shall be completed before eleven o'clock a. m., unless an alarm of fire prevents. They shall see that visitors are treated politely, but not allowed habitual lounging in or about company quarters, nor shall they permit members of the department to lounge or make a business of standing on the sidewalk in front of the station.

Members provided
with manual.

RULE 10. They shall see that every member of their respective companies is provided with a copy of the manual, and that its requirements are duly observed, and they shall read all general and special orders to the members and see that every man makes himself familiar with the same, and all such orders shall be kept in such place as to be accessible to every member of the company.

Report
inefficiency.

RULE 11. They shall report to the chief in writing any incapacity, inefficiency, neglect of duty, insolence, disobedience of orders, or the violation of any rule, regulation or order of the chief, or the city council, of which they shall have knowl-

edge, and any failure on their part to do so shall be considered a breach of orders and subject them to the penalty therefor.

RULE 12. They shall report to the chief all accidents that may occur, and such facts in regard to the same as may come within their knowledge. Report accidents.

RULE 13. They shall make a report to the chief upon the prescribed form of every fire or alarm of fire. They shall report to the chief in writing the name of every member of their respective companies who may be absent from duty on account of sickness or injury, and whether such sickness or injury is due to the performance of fire service, and they shall also on the first day of each week forward to headquarters a full and complete statement of the time each member of the company has been absent during the week, and also a list of the call members who have been absent from roll call or drill. Report alarms of fire.

RULE 14. They shall report to the chief any defect or need of repairs on the apparatus whenever the same may become apparent and on the first week day of each month shall report the condition of the apparatus and a statement of all work done on account of their respective companies that may be chargeable to the fire department, and shall also from time to time, as may become necessary, make requisition upon the chief for all needful supplies. They shall see that no city property entrusted in their charge is loaned to any citizen without permission from the chief. Report defect in apparatus.

RULE 15. They shall on the first Monday in April, make true and accurate returns to the chief of all property of the city in their charge, and shall report the name, age, residence and occupation of each member of their respective companies, both permanent, call and substitutes. Annual report to chief.

RULE 16. They shall perform such other duties as the chief may require.

RULE 17. They shall examine all the fire hydrants in their respective districts as to their location and condition at least once a month, and shall immediately report to the chief by telephone any hydrant found out of order. Examine fire hydrants.

RULE 18. They shall see that every member of their companies is familiar with the location of hydrants in the district covered by their companies on first alarms.

RULE 19. They shall keep, or cause to be kept, a company journal, and record therein all absences from quarters of permanent men, the purpose or reason of proposed absence, the exact time of return, the reasons therefor, if any there be, in Company journal.

case the time allowed has been exceeded, the receipts of all supplies, stating quantity and kind, and all alarms or stray blows, members absent from roll call, and all visits of superior officers. Said journal to be open to inspection by all superior officers and members of the joint committee on fire department of the city council.

Inspection of buildings.

RULE 20. They shall inspect, or cause to be inspected, under the direction of the chief, all buildings within their assigned districts, in order to become familiar with their construction, the class of business carried on, the class of goods on each floor, and whether combustible or non-combustible. They shall see if the entrances, stairways, halls and exits are accessible, and learn the most expedient manner of attack in case of fire, together with such further observation as may subserve the interests of the department. They shall record all inspections in a book provided for that purpose and forward a copy of said record to the chief. Said book and records shall be open to inspection by any member of the department, the mayor, or the city council. In case of refusal to allow an inspection of a building, said refusal must be reported at once to the chief.

Courteous manner.

RULE 21. While doing inspection duty, members must be courteous and civil in their manner and language and must not linger unnecessarily or talk or interfere with the employees of the building.

LIEUTENANTS.

Duties.

RULE 22. The lieutenant, in the absence of the captain, shall assume all the duties of that officer, except having the control of the department at fires when he is the first to arrive. In such cases he shall be relieved by the first officer of superior rank arriving, and shall obey his orders until the arrival of his own captain.

RULE 23. The lieutenant shall perform such other duties as the captain may require, and shall at all times properly assist him in the management of the company. He shall also act as clerk of the company.

Lieutenants of chemical companies shall assume all duties and responsibilities of the company except at fires, when they will be subject to orders from their ranking officer.

ENGINE MAN.

RULE 24. The engineman shall, under the direction of the ^{Duties.} captain, have the care and management of the engine, and shall see that it is kept in good condition and ready at all times for immediate service, and if any of the parts are out of order he shall be held responsible until the same is reported to the captain.

He shall make such repairs as may be possible, and shall inform the captain whenever the engine may need materials or repairs.

He shall instruct the member detailed to act as assistant engineman in regard to his duties upon or about the engine, and shall from time to time give him all the practical instruction possible.

If the engine has not been worked for one month, it shall be taken out, a steam pressure generated, and the engine shall be worked until the engineman is satisfied that all parts are in good working order. The engine must be turned over each day and placed upon a different center. In addition to the duties herein prescribed the engineman shall also perform such other duties as the captain or chief may at any time direct. ^{Condition of engine.}

ASSISTANT ENGINE MAN.

RULE 25. It shall be the duty of an assistant engineman ^{Duties.} to assist the engineman in the care of the engine and obey his orders relative to the same. He shall at all times have the proper amount of fuel in the fire box for immediate firing, and see that a suitable amount of fuel is constantly at hand ready for use. He shall practice under the direction of the engineman, so as to become familiar with the principles of construction and practical working of the engine, and as far as possible become qualified to take the exclusive charge and working of the same, and shall perform such other duties as the captain or chief may direct.

DRIVERS.

RULE 26. Each driver shall, under the direction of his ^{Duties.} captain, feed, groom and exercise the horses at stated hours, and have the care of the stable and harnesses.

Horses.

RULE 27. Feeding of the horses shall be done at regular intervals, and they shall be exercised at least one hour in each week day, the weather permitting, when the horses have not performed any work within the twenty-four hours next preceding, and they must not be driven faster than is consistent with the safety of the public and of the apparatus.

Feeding of the horses shall be done throughout the entire department at regular hours prescribed by the chief.

RULE 28. In exercising, horses must not be driven outside the limits prescribed by the chief.

RULE 29. No persons shall be allowed to ride on the apparatus while exercising, unless said person be a member of the department.

Racing to and from fires.

RULE 30. Racing to or from fires will not be allowed under any circumstances. Officers in command and drivers will be held responsible for any damage caused through carelessness on their part in driving to or from fires. In returning from fires, horses shall be driven at a moderate rate of speed. No person, other than members of the fire department, shall be allowed on the apparatus going to or returning from fires without the permission of the chief.

At fires.

RULE 31. Upon arrival at a fire the driver shall, when ordered by the chief, secure shelter for the horses, after which he shall promptly report to the captain and perform such duties as may be required.

RULE 32. No driver of any apparatus belonging to the department shall drive or run over any hose unless it cannot be avoided.

Horses shod.

RULE 33. When the horses are in a shop for shoeing, the driver shall remain with them and shall report to the chief any unnecessary delay or work improperly executed, and shall allow but one shoe to be removed at a time, unless otherwise ordered by the chief.

RULE 34. In addition, the drivers shall perform such other duties as the captain or chief may direct.

Designated by chief.**DRILL-MASTER.**

RULE 35. The chief shall designate one member of the department to act as drill-master.

The chief shall from time to time detail the different members of the department to report to the drill-master that he may instruct them in the methods and appliances so that they

may become proficient in their duties. Said drill-master shall ^{Duties of} drill master. have power and authority of a commanding officer while performing such drill practice.

CALL MEN AND SUBSTITUTES.

RULE 36. Call men of the department shall report at their ^{Call men} for drills. respective quarters for drill when ordered to do so by the officer in command of their company.

RULE 37. No member of the call force shall leave the city ^{Must not leave city.} for any period of time without first notifying the officer in charge of his company by person or by telephone.

RULE 38. At an alarm of fire each call man shall report as quickly as possible to his company quarters, unless his apparatus responds to the alarm, and remain there ready for immediate duty until the recall is sounded. Thirty minutes shall elapse after an alarm before the roll is called, but in case the recall is sounded previous to the expiration of this time, the captain may call the roll and dismiss the company, and any member reporting within the limit of time shall not be marked absent.

Call members may report during working hours to their ^{Reporting for duty.} station, or to the officer in charge at a fire, by telephone from the fire station nearest to their place of employment, on all alarms to which their company do not respond.

RULE 39. Any call member intending to be absent from the city shall, before leaving, give due notice to the captain of his company, who shall at once report the same to the chief. In the event of such absence continuing for a period of one week or more, except for a period of two weeks in each year to be designated by the chief, the name of the substitute shall be placed upon the pay roll of the department, and he shall be paid full pay for the period in which he serves, the amount to be deducted from the pay of the member so absent, and no absentee's term shall be considered ended until he reports to his captain for duty, and no member shall be absent from duty for a longer period than one month, except in case of sickness or injury, unless by special permission of the chief.

RULE 40. Call members will remain in the district covered by them on first alarms on the night preceding the Fourth of July and during the whole of that day.

RULE 41. All captains of companies that have call men ^{Appointment of substitutes.} should be allowed two substitutes, to be appointed by the

Duty of substitutes. captain. The captains shall inform themselves in regard to the substitutes' general character and habits. Substitutes will not be allowed to answer for any member present in the city; and any member absent from a fire or an alarm of fire, unless by reason of sickness or injury caused by fire service, shall forfeit the sum of fifty cents (50c) for each case of absence, unless he has a substitute.

RULE 42. Substitutes shall be subject to the rules and regulations of the fire department when in company quarters or on duty. Substitutes shall receive fifty cents for each bell alarm answered, to be paid at the next pay day by members employing substitutes.

GENERAL RULES.

Bearing of officers.

RULE 43. Officers shall be just, dignified and firm in their intercourse with subordinates, being careful to abstain from violent, abusive or immoderate language in giving orders and directions, as well as in conversation with them, shall see that all rules and orders are strictly carried out and obeyed, and report by well sustained charges to the chief any transgression of law, ordinance, rules or order.

Officers wear badge to designate position.

RULE 44. No officer or member shall appear on duty without wearing such insignia or badge as designates his position. Commanding officers of all companies shall be provided with keys to inside doors of signal boxes, and the officer arriving first at a fire shall send in calls for additional apparatus if in his judgment it is deemed necessary.

Captains at second and third alarms.

RULE 45. On second and third alarms, captains of engine or hose companies shall report to the officer in command for instructions, and at a first alarm for fire any company arriving and finding a line of hose already laid shall report to the officer in command before laying a line.

Religious or political discussions at stations.

RULE 46. No one will be appointed on or discharged from the force for his religious or political opinions, and members will avoid all religious and political discussions in the stations. Members of the department will not be permitted to act as members of any political committee, or attend any political convention as delegates, or be allowed to hold tickets at any public election, or take any part whatever in political matters, other than to exercise the right of suffrage. On election day sufficient time will be allowed each permanent member of the department to vote.

RULE 47. No member of the fire department shall incapacitate himself through the use of intoxicants. The possession of intoxicants at a fire station or at fires is strictly prohibited. Use of intoxicants.

RULE 48. Gambling with any instrument or device for money, liquor, or any article of value, shall not be permitted in or about any of the houses or premises occupied by the department. Gambling.

RULE 49. There shall be at each station, except when company is absent at a fire or an alarm of fire, one member detailed on the floor from 8 a. m. to 9.30 p. m. to receive visitors, answer all questions in a gentlemanly manner, and perform such other duties as may be required of him, and such member so detailed shall be in dress uniform. Receiving visitors.

RULE 50. Repeated complaints against any member of the force for incurring debts especially for uniform, rent or the necessities of life, shall be considered a breach of discipline, and will be cause for the dismissal of such member from the service, and no member shall be allowed to assign his wages. Incurring debts.

RULE 51. Members of the permanent force will not be permitted to make a practice of standing upon the street corners or in any public place while in uniform. Must not stand on corners in uniform.

RULE 52. Members of the department shall, on changing their places of residence, promptly notify their immediate superior officer, and he shall immediately report the same in writing to the chief. Change of residence.

RULE 53. No member shall use the fire department telephone after 9.30 o'clock p. m., except in case of sickness or department business. Use of fire department telephone.

RULE 54. Members shall not smoke while on the street when in uniform or while going to or returning from a fire or an alarm of fire. Smoking.

RULE 55. No officer or permanent member shall leave the city, except on annual vacation or days off, without permission from the chief. Leaving city.

RULE 56. No officer or permanent member shall leave his quarters without the permission of the chief. Leaving quarters.

RULE 57. No member of this department shall be allowed to make any purchase for the department chargeable to the city, except by written order of the chief. Department purchases

RULE 58. One hour shall be allotted to each member of the department in which to procure each meal. ¹On Sunday one hour shall be allotted to each member of the department Time for meals.

¹ Amended January 6, 1912

who may request it, for the purpose of attendance at church service, but only one member of a company shall be allowed the hour at a time. Any question of precedence shall be decided by the officer in charge of the company. Members must report back promptly on time, failing to do which they shall be considered as absent without leave, provided, however, that an additional period of not more than fifteen minutes time may be allowed at the discretion of the officer in charge of the company. Provided, however, that an additional period of not more than fifteen minutes time may be allowed at the discretion of the officer in charge of the company.

Sick and injured members.

RULE 59. The city physician shall visit, investigate and report the condition of any sick or injured member to the chief, and if such investigation proves it to be the fault or neglect of the member, he shall forfeit pay for the period of such disability.

Annual vacation.

RULE 60. Each permanent member of the department will be allowed an annual vacation of fourteen days without loss of pay, the same to be taken at such time within the year as may be determined by the chief, but each member must have served six months previous to the vacation period before he shall be allowed a vacation. Each permanent member of the department shall also be allowed one day off in six without loss of pay. Days off falling within the vacation period shall be considered a part thereof.

Response to alarms while on leave of absence.

RULE 61. On leave of absence not specially granted by the chief, such as going to meals or on errands for personal purposes, the members will respond to all alarms to which their apparatus is called, and they shall not place themselves in such position as will prevent them from being able to do so.

Leave of absence on 4th of July.

RULE 62. Applications for leave of absence on the Fourth of July will not be granted and all members absent on leave will report at company quarters at eight o'clock p. m. on the day preceding.

Conduct while on leave of absence.

RULE 63. Officers and members, while on leave of absence, will be held accountable for their conduct, whether in uniform or not.

Response to alarms.

RULE 64. All companies shall respond to first, second, third and general alarms, in accordance with tables issued from time to time by the chief.

First alarm.

RULE 65. When a first alarm for fire is sounded, all companies assigned to that box will at once respond, and members shall in as orderly and efficient manner as possible exert

themselves to extinguish the fire. They shall perform such duty as may be required of them by their superior officers, and any failure or neglect on the part of a member to report for duty shall subject such member to such penalty as the city council may determine; and whenever their services are not required at a fire, they shall, unless otherwise ordered by the officer in command, station themselves at or near their apparatus.

RULE 66. Second, third and general alarms will be given Second, third and general alarms. only by order of the officer in charge of the fire.

RULE 67. The officer in command at a fire shall relieve Speed of apparatus. companies when, in his judgment, their services are no longer required, and all apparatus returning to quarters shall do so at a moderate speed.

RULE 68. Captains of ladder companies shall not permit Apparatus at fire. their apparatus to come within one hundred feet of the fire before reporting to the officer in command, unless it is apparent that ladders are needed in which case they shall be placed in service as speedily as possible, and the ladder company arriving first at a fire shall be aided in the raising of the ladders, etc., by the ladder companies that arrive later, if such aid should be necessary.

RULE 69. While on duty at fires the greatest degree of Discipline at fires. silence compatible with the efficient discharge of duty will be required, and noisy conversation or boisterous conduct will be considered a breach of discipline. The members are also expected to be courageous without being reckless, and to strictly obey all orders of their superior officers, and cowardice, shirking of duty, or disobedience of orders at fires will be looked upon as grave offences and will be followed by immediate suspension or dismissal from service, and the chief is hereby directed to suspend any member guilty of these acts at fires.

RULE 70. If the services of members are not actually required at a fire, they shall remain at or near their apparatus, unless otherwise ordered; and they will bear in mind that in service they are working for a common cause, and that wherever useful, under command of an officer, there is their place of duty, whether with their own company or not.

RULE 71. No company or individual member of the fire department shall interfere with any apparatus or property in charge of another company, unless by order or permission of

Apparatus
for trial.

Criticism of
officers.

Offenses and
punishment.

the commanding officer, or the officer in command of said company.

RULE 72. No apparatus shall be taken out for trial unless by permission of the chief, and when such permission is given the captain shall be authorized to call his company together, and if any member who has been duly notified shall absent himself on that occasion, he shall be fined one dollar.

RULE 73. All members of the department shall refrain from criticising any officer or member, and tale bearing is positively prohibited.

RULE 74. Any member of the department may be punished by the mayor at his discretion, either by reprimand or by forfeiture of pay, not exceeding thirty days, for any one offence, on conviction of any of the following offences, to wit:—

1. Intoxication.
2. Any act of insubordination or disrespect toward a superior officer.
3. Any acts of oppression or tyranny.
4. Any neglect of duty.
5. Any violation of the rules.
6. Any violation of the ordinances relating to the fire department.
7. Any criminal offence of which he may be convicted while a member of the department.
8. Absence without leave.
9. Immoral conduct.
10. Conduct injurious to the public peace or welfare.
11. Incapacity, mental or physical.
12. Any breach of discipline.
13. Neglecting or refusing to pay a debt for uniform clothing, or for the necessaries of life.
14. Contracting a debt under false or fraudulent pretences.
15. Any other act contrary to good order or discipline.

For any one of the offences before enumerated, any member may be dismissed from the department, with the approval of the board of aldermen.

UNIFORMS.

RULE 75. Each permanent member of the fire department shall provide himself with a suitable uniform as may be prescribed by the chief and approved by the mayor, and shall

wear said uniform while on duty, except at fires. Working suits shall not be worn around quarters longer than is necessary to complete the work for which they are worn.

RULE 76. It is required that on the street (except in going to or from fires) the coat shall be buttoned entire; shoes, buttons and "devices" are to be properly polished, and the person at all times neatly dressed.

BADGES.

RULE 77. The official badge and insignia of the department shall be the same as that in use at the time of the adoption of this ordinance. Members of the department in uniform are required and directed to wear the department badge on the left breast of the outside coat.

RULE 78. When a badge is lost by any member, it must be reported immediately to the chief, who will furnish another. The chief shall charge the value of the one lost or destroyed to the member, the amount to be deducted from his pay unless lost under conditions over which member has no control.

RULE 79. The provisions of section 36 of chapter 210 of the revised laws with reference to the possession of the official badge of a member of the department, shall not apply to persons acting as substitutes for members of said department, and any such substitute shall be permitted to wear the department badge while acting as such substitute, with the permission of the chief.

RULE 80. No member of the department shall loan his ^{Loan of badge.} badge to any person, except with the permission of the chief.

ROLL OF MERIT.

RULE 81. The names of such officers and members of the department as may have distinguished themselves in the discharge of their duties by saving human life at risk of their own will be entered upon a "Roll of Merit," which will be annually published in the report of the department. Officers in charge will make a special report to the chief, who will advise the mayor, whenever any member performs a meritorious or daring act, giving a full statement of the facts.

Roll of Merit.

RULE 82. Members of the department are hereby directed to make themselves thoroughly acquainted with the rules and regulations of the department, and all general and special orders, and ignorance thereof will not be considered an excuse

**Observance of
rules and regu-
lations.**

for non-compliance. A strict observance of rules and regulations is insisted upon, and a failure to report a violation to the chief or officer in command will be considered a dereliction of duty on the part of all officers.

Members of the department should understand that these rules and regulations are not intended to cover every case which may arise in the discharge of their duty. Something must necessarily be left to the intelligence and discretion of individuals; and according to the degree in which they show themselves possessed of these qualities, and to their zeal, activity and judgment on all occasions, will be their claim to future promotion.

PENSIONING FIREMEN.¹⁻²

**These eligible for
retirement.**

SECT. 8. The city council may, upon the recommendation of his honor, the mayor, or of the chief, or upon his own petition pension for such time and amount as, after due hearing thereon, said city council shall determine:

Disability.

1st. Any member of the department, who, by reason of permanent disability incurred while in the performance of his duty as a fireman, call-fireman, or substitute fireman, is no longer able to perform active service as a fireman.

Age.

2nd. Any member of the department who is sixty-five (65) years of age or over, and who has served faithfully in said department for not less than twenty (20) years.

Years of service.

3rd. Any member of the department who has served faithfully in said department for not less than twenty (20) years and who is incapacitated for useful service.

**Retirement of
call members.**

SECT. 9. Call members of the department who are superior officers at the time of the adoption of this ordinance shall be given the option of retiring with their present rank and receiving a pension or remaining in the department as call privates. Said option shall be exercised within thirty days from the adoption of this ordinance.

**Provisions for
granting pension.**

SECT. 10. Every pension granted to a fireman shall be under the following restrictions and subject to the following provisions, viz.: 1. It shall be payable monthly. 2. It may be increased, diminished or revoked at any time after due notice to the pensioner and a hearing before a committee of the city council.

¹ Amended Dec. 30, 1901.

² Amended June 11, 1908

SECT. 11. The city physician shall examine every person recommended for or applying for such pension, and shall furnish to the city council a written statement in regard to his physical condition so far as it affects permanently his ability to perform active service as a fireman. ^{Physical condition.}

SECT. 12. The chief shall furnish to the city council a written statement of the circumstances under which the disability of any person as aforesaid, was incurred, and the sources of his information in regard to the same.

SECT. 13. The pension granted to any member of the fire department shall not exceed one-half the amount of his salary; provided, however, that any call member who has incurred permanent disability while in the performance of his duty as fireman may be granted a pension to an amount not exceeding that which may be granted a permanent member of the department of equal rank. ^{Amount of compensation.}

SECT. 14. Chapter 11 of the revised ordinances of 1892, as amended to Nov. 8, 1899, and all ordinances in amendment thereof and supplementary thereto, be and the same hereby are repealed.

CHAPTER 12.

HEALTH.

Health department in charge of the board of health.
P. S. c. 80, § 8.
Acts '95, c. 33b, §1.
Term of office.

Shall serve without pay.

Annual report to city council.

Duties of the board.

Shall make certain contracts and regulations.

Shall send bills to treasurer.

¹SECTION 1. The health department shall be under the charge of the board of health, which shall consist of three persons not members of the city council, one of whom shall be a doctor of medicine. One of them shall be appointed by the mayor subject to the confirmation by the board of aldermen, some time during the month of January of each year, to hold office for the term of three years from the first Monday in February, in the year of his appointment.

SECT. 2. The members of the board of health shall serve without compensation. Suitable accommodations and conveniences shall be furnished the board at the expense of the city, under the direction of the superintendent of public buildings.

SECT. 3. The board shall annually, in the month of January, report to the city council an accurate account in detail of all receipts and disbursements during the past financial year, and before the twentieth day of January of each year shall submit to the mayor an estimate in detail of the appropriations required by the health department for that financial year.

SECT. 4. The board shall be vigilant and active in protecting the public health; shall see that the laws and ordinances in relation to the same are enforced; shall communicate its views to the city council from time to time, as it may deem expedient, and may call upon the police department and the various city officers to aid it in the performance of these duties.

SECT. 5. The board shall make all contracts and regulations for the cleaning of private cesspools, vaults and privies, and all contracts for such work shall contain the condition that such work shall be performed to the satisfaction of the board of health.

SECT. 6. Whenever the board of health does, or causes to be done, work for any person, it shall enter in books kept for that purpose, all such work done, with the price thereof, and shall forthwith make out bills for the same, and deliver them

to the treasurer for collection, who shall at once demand payment of the same; and the board shall, on the first day of every month, report in writing, to the auditor, a list of the bills so delivered, and, in case any such bills or dues remain unpaid at the expiration of thirty days after demand for payment as aforesaid, the treasurer shall collect the same according to law.

*Monthly reports
to the auditor.*

SECT. 7. The city engineer, under the direction of the board of health, is authorized to permit, under such restrictions as they may deem expedient, the construction of sufficient passage ways or conduits under ground for the purpose of conveying the liquid contents of any vault into any common sewer.

*Permits for
draining vaults.*

CHAPTER 13.

CONSTRUCTION, MAINTENANCE, AND INSPECTION OF BUILDINGS.¹⁻²⁻³⁻⁴⁻⁵⁻⁶⁻⁷

ADMINISTRATION.

Building dept. In charge of a superintendent of public buildings.

Salary.

Duties.

Tenure of office.

Appointment of assistants.

SECTION 1. There shall be in the city of Cambridge a department, to be called the building department, which shall be under the charge of a superintendent of public buildings, hereinafter designated as the superintendent, who shall also be the inspector of buildings. The superintendent, who shall have had at least five years' experience as an architect or a builder, shall be appointed by the mayor, subject to confirmation by the board of aldermen. He shall receive such salary as shall be fixed by ordinance. He shall have sole charge of the construction inspection, repair, alteration, care and custody of all public buildings of the city, except schoolhouses, not constructed for or by any other special department, and of the construction and alteration of schoolhouses, and shall supervise and direct the construction and alteration of buildings of other departments whenever so requested by any such department.

The present officers and employees of the building department shall hold their several offices and positions during their term of office or until removed or discharged according to law.

The superintendent shall, under civil service rules, with the approval of the mayor, appoint a clerk and such number of inspectors, employees, and assistants as the mayor shall, from time to time, determine. No person shall be appointed as inspector of construction who has not had at least five years' experience as a builder, architect, or as a superintendent or foreman, or competent mechanic in charge of building construction.

¹ Amended Dec. 24, 1900.

² Amended July 23, 1901.

³ Amended Jan. 3, 1902.

⁴ Amended July 3, 1902.

⁵ Amended July 7, 1904.

⁶ Amended Nov. 30, 1904.

⁷ Amended and repeal Jan. 2, 1908.

The superintendent may appoint as his deputy an ^{Deputy Inspector.} inspector in the department, who shall, during the absence or disability of the superintendent exercise all the powers of the superintendent, and in case he shall fail to act, the mayor may designate such a deputy. No officer connected with the department shall engage in any other business or be interested in the doing of work or the furnishing of material for the construction, repair or maintenance of any building, or in the making of plans or of specifications therefor, unless he is the owner of the building or a member of the board of appeal.

The clerk of the department shall, under the direction of the superintendent, keep a record of the business of the department, and the superintendent shall submit to the mayor a yearly report of such business. The records of the department shall be open to public inspection. The superintendent may require plans and specifications of any proposed structure or for the alteration of any structure or building to be filed with him, duplicates of which, when approved by the superintendent, shall be kept at the building during the progress of the work. Such duplicate shall be open to the inspection of any inspector in said department.

The superintendent shall grant permits for the construction, alteration, removal or tearing down of buildings or structures, and for plumbing and setting and maintenance of steam boilers and furnaces when application for the same are made and filed in conformity with law. ^{Permits for construction, etc., of buildings.}

All permits issued by the superintendent shall be on printed forms approved by him.

If the superintendent finds that the terms of a permit are being violated, he may, after notice mailed to the person to whom the permit was issued, order the whole or any part of the work which is being done under the permit to be stopped, and such work shall not be resumed until the terms of the permit have been complied with, to the satisfaction of the superintendent.

All applications for permits under the provisions of this ordinance shall be in writing, on forms furnished by the department. The superintendent may require the material facts set forth in the same, to be verified by the oath of the applicant; he may also require, in his discretion, a survey of a lot on which any proposed building is to be ^{Application for permits.}

erected to be filed with the application. Every application shall state the name and address of the owner.

Examination of every building in course of construction, etc.

SECT. 2. The superintendent, or one of his inspectors, shall examine as often as is practicable every building in the course of construction or alteration, and shall make record of all violations of this ordinance and of all other matters relative thereto. The publication of such records, with the consent of the Superintendent, shall be permitted.

Dangerous or damaged buildings.

SECT. 3. The superintendent, or one of his inspectors, shall examine any building reported as dangerous or damaged, and shall make a record of such examination, stating the nature and estimated amount of the damage, and the purpose for which the building was used, and in case of fire, the probable origin thereof; and shall examine all buildings in respect to which applications have been made for permits to raise, enlarge, alter or repair, and shall make a record of every such examination.

Unsafe buildings.

SECT. 4. The superintendent, or one of his inspectors, shall inspect every building or other structure or anything attached to or connected therewith which he has reason to believe to be unsafe or dangerous to life, limb, or adjoining buildings, and if he finds it unsafe or dangerous, he shall forthwith in writing notify the owner, agent or any person having an interest therein to secure the same, and shall affix in a conspicuous place upon its external walls a notice of its dangerous condition. Said notice shall not be removed or defaced without his consent.

The superintendent may, with the written approval of the mayor, order any building which in his opinion is unsafe to be vacated forthwith.

Removal of unsafe building and close of public highway.

SECT. 5. The person notified as provided in the preceding section shall secure or remove said building, structure, attachment or connection forthwith. If the public safety so requires, the superintendent, with the approval of the mayor, may at once enter the building or other structure, the land on which it stands or the abutting land or building, with such assistance as he may require, and at the expense of the owner secure the same and erect such protection for the public by proper fence or otherwise, as may be necessary, and for this purpose may close a public highway.

BOARD OF APPEAL.

SECT. 6. There shall be in the city of Cambridge a board, to be called the board of appeal, which board shall consist of three members, including always one architect and one master builder, who shall be appointed by the mayor, subject to confirmation by the board of aldermen.

In the month of March in the year nineteen hundred and eight the mayor shall, subject to confirmation as aforesaid, appoint one member of said board, who shall hold office for a term of one year from the first day of said month; one member, an architect, who shall hold office for a term of two years from the first day of said month, and one member, a master builder, who shall hold office for a term of three years from the first day of said month; and annually thereafter in the month of February the mayor shall, subject to confirmation as aforesaid, appoint one member of said board who shall hold office for a term of three years from the first day of March following.

The mayor shall likewise, subject to confirmation, as ^{Vacancy.} aforesaid, fill all vacancies in said board caused by death, resignation, or removal, for any unexpired term.

Members of said board shall hold office until their successors shall have been appointed and shall have qualified.

Any member of said board may be removed by the mayor for malfeasance, incapacity or neglect of duty, subject to approval by the board of aldermen.

No member of said board shall sit on a case in which he is interested, and in case of such disqualification, or of the necessary absence of any member, the other two members shall appoint a substitute. If two or more members are so disqualified or absent, the mayor may appoint substitutes to act during disqualification or absence.

The clerk of the building department shall act as clerk of said board. The reasonable expenses of said board, including such clerical assistance and office expenses as shall be approved by the mayor, shall be paid by the city of Cambridge.

SECT. 7. An applicant for a permit whose application has been refused by the superintendent may appeal therefrom within ninety days. A person may appeal from any decision of the superintendent within ten days after being notified of such decision, by giving to the superintendent notice in

Board of appeal appointed by the mayor.

Election and tenure of office.

Removal for incapacity or neglect of duty.

Substitutes.

Clerk of the board of appeals.

Application to the board of appeal.

writing of his appeal. Said notice or a certified copy thereof shall be once transmitted by the superintendent to the board of appeal. After notice to the appealing party, the superintendent, and to such other parties as the board shall order, a hearing shall be had, and said board shall affirm, annul or modify said refusal by order.

Method of decision on application.

Every decision of said board shall be in writing, shall require the assent of two members, except as otherwise provided herein, shall specify the variations allowed and the reasons therefor, and shall be filed in the office of the superintendent within ten days after the hearing. A certified copy shall be sent by mail or otherwise to the applicant, and a copy kept publicly posted in the office of the superintendent for two weeks thereafter. If the order or refusal of the superintendent is affirmed, such order or refusal shall have full force and effect. If said order or refusal is modified or annulled, the superintendent shall issue a permit in accordance with said decision.

The provisions of this section shall also apply to any similar action or order of the city electrician.

Methods of construction or maintenance.

SECT. 8. Methods of construction or maintenance equally substantial to those required by the provisions of the ordinance may be allowed with the written consent of the superintendent and the board of appeal specifying such methods. A record of the method allowed shall be kept in the office of the superintendent.

Duties of the board.

It shall be the duty of the board of appeal to submit to the mayor on or before the first of December of each year a report giving a summary of all decisions of the board, together with such recommendations for revision of the law as may to them seem advisable.

Any requirement not specified in ordinance.

Any requirement necessary for the strength or stability of any proposed structure or the safety of the occupants thereof not specifically covered by this ordinance shall be determined by the superintendent, subject to appeal.

SECT. 9. The fire limit districts of the city of Cambridge shall be as follows:

FIRE LIMITS.

Establishment.

(A) For the better protection of the lives and property of the inhabitants and other persons, it is hereby ordained that: The territory at and within the distance of three

miles from the present city hall be and hereby is established as a fire limit.

(B) Within the fire limit, as established, all dwelling houses of more than two stories in height, now or hereafter erected, and within the distance of ten feet from any other building or structure, shall be furnished with a front and rear stairway, or some equally safe means of egress. Means of egress.

First. Starting from the westerly end of Harvard Bridge on Massachusetts Avenue and running continuously therefrom on both sides of Massachusetts Avenue, including Lafayette, Central, Putnam, Quincy, and Harvard squares, and within the area included between the city building lines wherever established on said Massachusetts Avenue and squares, and where such building lines are not established, within the area included between the lines of private ownership adjacent to the lines of said Massachusetts Avenue and squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Massachusetts Avenue and all sides of said squares, between the westerly end of Harvard Bridge and the Arlington line.¹

Second. Starting from the westerly end of Craigie Bridge and running continuously therefrom on both sides of Bridge Street to and including Lechmere Square, and thence running continuously westerly on both sides of Cambridge Street to and including Inman Square, and within the area included between the city building lines wherever established on said Bridge and Cambridge streets and said squares and where building lines are not so established, within the area included between the line of private ownership adjacent to the lines of said Bridge and Cambridge streets and said squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Bridge and Cambridge streets, and all sides of said squares between the westerly end of Craigie Bridge and Inman Square as aforesaid.

Third. Starting from the harbor commissioners' line on the westerly side of Charles River on the westerly end

¹ Amended June 21, 1912.

of Cambridge Bridge, and running continuously on both sides of Main Street to and including Kendall Square and Smith Square, and thence running continuously westerly on both sides of said Main Street to its intersection with Massachusetts Avenue at Lafayette Square and with the area included between the city building lines wherever established in said Main Street and said squares and where building lines are not so established within the area included between the lines of private ownership adjacent to the lines of said Main Street and said squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Main Street and all sides of said squares between the harbor commissioners' line on the westerly end of Cambridge Bridge to Lafayette Square as aforesaid.

Fourth. All that territory which lies south and west and is bounded northerly and easterly by the first fire district above described, and is included on all its other sides within and is bounded westerly and southerly by the following lines: Commencing at a point in the westerly limit of said first fire district one hundred feet northerly from the northerly line of Church Street, thence running continuously southwesterly and southerly on a line distant one hundred feet at right angles from each and every point of the northerly or westerly line of said Church Street to Brattle Street, and thence across said Brattle Street, at right angles therewith, and then continuing in the same line to a point on property of private persons distant one hundred feet southerly from the southerly line of Brattle Street; thence running easterly continuously on a line distant one hundred feet, at right angles, from each and every point of the southerly line of said Brattle Street, across Brattle Square to the intersection of the southerly line of Mt. Auburn Street with said Brattle Square; thence northeasterly continuously along and bounded by the southerly line of Mt. Auburn Street to Putnam Square and the southerly boundary line of the first fire district above mentioned.

Fifth. Commencing at the intersection of the southerly line of Broadway with the westerly line of Sixth Street and running continuously westerly therefrom on the southerly side of Broadway to Clark Street and within the area

included between the lines of private ownership adjacent to the southerly line of said Broadway and a line distant one hundred feet to the left at right angles from each and every point of said street lines of private ownership on the southerly side of Broadway, between said Sixth Street and said Clark Street.

Sixth. All that territory which is included between the following lines: Commencing at the intersection of the westerly line of Third Street with the southerly line of Broad Canal; thence running continuously northwesterly along and bounded by the southerly line of said Broad Canal and the division line between Wards two and three to the southerly line of said Potter Street; thence running continuously westerly along and bounded by the southerly line of said Potter Street to the easterly line of Portland Street; then running continuously southerly along and bounded by said easterly line of Portland Street to the northerly line of Broadway; thence running continuously easterly along across Mechanics' Square and bounded by the northerly line of said Mechanics' Square and said Broadway to the westerly line of said Third Street; thence running continuously northerly along and bounded by the westerly line of said Third Street to the point of beginning.

Seventh. All that territory which lies south and is bounded northerly by the second fire district, above described, and is included on all its other sides within and is bounded easterly, southerly and westerly by the following lines: Commencing at a point in the southerly limit of said second fire district on the westerly side of First Street one hundred feet southerly from the southerly line of Cambridge Street; thence running continuously southerly along and bounded by said westerly line of First Street to the northerly line of Spring Street; thence running continuously westerly along and bounded by said northerly line of said Spring Street across said Third Street to a point distant one hundred feet westerly from the westerly line of said Third Street; thence running northerly continuously therefrom on a line distant one hundred feet to the left at right angles from each and every point of the street lines of private ownership on said westerly side of Third Street to the southerly line of Cambridge Street and the second fire district above described.

Eighth. Starting on the westerly line of East Street at

¹ Amended June 21, 1912.

the boundary line of the second fire limit district, thence running on said westerly line of East Street to the southerly line of the location of the Southern Division of the Boston & Maine Railroad, thence running westerly on said southerly line of location of said railroad continuously to the Somerville line, thence southerly on said Somerville line to the northerly line of said Bridge Street, thence southeasterly on said northerly line of said Bridge Street continuously to the boundary line of the second fire limit district at Lechmere Square, including all that territory which lies between the said northerly line of Bridge Street and southerly location of said railroad and easterly of that portion of the Somerville line between said Bridge Street and said railroad, extending continuously easterly to said westerly line of East Street, not including, however, any portion of the second fire limit district heretofore established.

¹*Ninth.* Starting at the intersection of the northerly line of Gore Street with the westerly line of Fifth Street and running continuously westerly therefrom on the said northerly line of Gore Street to the Somerville line, and within the area included between the line of private ownership in said Cambridge adjacent to the northerly line of said Gore Street and a line distant one hundred feet to the right at right angles from each and every point of said street lines of said private ownership on the northerly side of Gore Street between said Fifth Street and said Somerville line.

¹*Tenth.* Starting at the northwesterly extremity of the building line of the third fire limit district on the northerly line of Harvard Street at Smith Square and running continuously therefrom northwesterly on the said northerly line of Harvard Street to the easterly line of Burleigh Street, thence running northerly on said easterly line of Burleigh Street to the southerly line of the fifth fire limit district, thence running northwesterly on said southerly line of the fifth fire limit district to the easterly line of Portland Street, thence running southwesterly on the easterly line of Portland Street to the southerly line of Harvard Street, thence running southeasterly on the southerly line of Harvard Street to the easterly line of Munson Street, thence running southwesterly on said easterly line

of said Munson Street to the northerly line of Hastings Street, thence running southeasterly on the northerly line of Hastings Street and so on continuously in the same direction until it reaches the northerly boundary line of the third fire limit district; and within the areas included between the lines of private ownership adjacent to the said northerly line of Harvard Street to the easterly line of Burleigh Street and the southerly line of Harvard Street and lines within the territory just described respectively one hundred feet to the right of the northerly line of Harvard Street to the easterly line of Burleigh Street and to the left of the southerly line of Harvard Street to the easterly line of Munson Street at right angles from each and every point of all said street lines of private ownership upon said Harvard Street and including all the territory described bounded by Burleigh, Harvard, and Portland streets and the southerly line of the fifth fire limit district and all the territory easterly of said part of said Munson Street to the northerly boundary line of the third fire limit district, not, however, included in any of the third or fifth fire limit districts heretofore established within the territory just described.

¹Eleventh. All that territory which lies north of the Boston & Albany Railroad and is bounded easterly by the third fire limit district and westerly by the first fire limit district.

¹Twelfth. All that territory which lies north westerly of Boylston Street and is bounded northeasterly by Mt. Auburn Street and Brattle Square, northwesterly by Brattle Square and Eliot Square, westerly and southerly by Eliot Square and Eliot Street, not, however, included in the fourth fire limit district heretofore established.

In this ordinance the titles Lafayette Square, Central Square, Putnam Square, Quincy Square and Harvard Square, Lechmere Square, Inman Square, Kendall Square, and Smith Square shall mean the respective areas included within the following boundaries, viz.:

LAFAYETTE SQUARE.

Beginning at a point in the northerly line of Main Street at its intersection with easterly line of Columbia Street; thence southerly by a line at right angles to said

line of Main Street seventy feet to its intersection with the southerly line of Main Street; thence westerly along the southerly line of Main street about three feet to the tangent point of a curve; thence westerly, southerly and easterly along said curve of 18 feet radius about 46.2 feet to its other tangent point in the northeasterly line of Massachusetts Avenue; thence southwesterly by a line at right angles to said line of Massachusetts Avenue about 91 feet to its intersection with the southwesterly line of Massachusetts Avenue; thence northwesterly along said southwesterly line of Massachusetts Avenue about 202 feet; thence northeasterly by a line at right angles to the southwesterly line of Massachusetts Avenue 103 feet to its intersection with the northeasterly line of said avenue; thence easterly along the northeasterly line of Massachusetts Avenue and the northerly line of Main Street about 179 feet to its intersection with the easterly line of Columbia Street at the point of beginning.

CENTRAL SQUARE.

Beginning at a point in the southwesterly line of Massachusetts Avenue at its intersection with the southerly line of Western Avenue; thence westerly along said southerly line about 124 feet to its intersection with the southeasterly line of Magazine Street; thence southwesterly along said southeasterly line of Magazine Street about 140 feet to its intersection with the southwesterly line of Green Street; thence northwesterly along said southwesterly line of Green Street about 227 feet to its intersection with the northerly line of Western Avenue; thence easterly along said northerly line of Western Avenue about 191 feet to its intersection with the northwesterly line of Central Square; thence northeasterly along said northwesterly line of Central Square about 191 feet to its intersection with the northeasterly line of Massachusetts Avenue; thence southeasterly along said northeasterly line of Massachusetts Avenue about 182 feet; thence southwesterly by a line at right angles to the northeasterly line of Massachusetts Avenue about 103 feet to its intersection with the southwesterly line of Massachusetts Avenue at the point of beginning.

PUTNAM SQUARE.

Beginning at a point in the southwesterly line of Mt. Auburn Street at its intersection with the westerly line of Putnam Avenue; thence northerly along said line of Putnam Avenue 92 feet to its intersection with the southwesterly line of Massachusetts Avenue; thence northeasterly by a line at right angles to said line of Massachusetts Avenue 62 feet to its intersection with the northeasterly line of Massachusetts Avenue; thence southeasterly along said northeasterly line about 215 feet; thence southwest by a line at right angles to the southwesterly line of Massachusetts Avenue about 66 feet to its intersection with said southwesterly line; thence along the southwesterly line of Massachusetts Avenue and Mt. Auburn Street about 190 feet to its intersection with the westerly line of Putnam Avenue at the point of beginning.

QUINCY SQUARE.

Beginning at a point in the northeasterly line of Harvard Street at its intersection with the easterly line of Quincy Street; thence southerly along said line of Quincy Street about 211 feet to its intersection with the southwesterly line of Massachusetts Avenue; thence northwesterly along said southwesterly line about 300 feet; thence northeasterly by a line at right angles to said southwesterly line at about 85 feet to its intersection with the northeasterly line of Harvard Street; thence southeasterly along said line of Harvard Street about 198 feet to its intersection with the easterly line of Quincy Street at the point of beginning.

HARVARD SQUARE.

Beginning at a point in the northwesterly line of Massachusetts Avenue at its intersection with the northerly line of Brattle Street; thence in a generally northerly direction along said line of Massachusetts Avenue about 552 feet; thence northeasterly by a line at right angles to the said line of Massachusetts Avenue about 67 feet to its intersection with the northeasterly line of Massachusetts Avenue; thence southerly, easterly and northerly by a curved line of 38 feet radius about 100 feet; thence easterly by a line at right angles to the westerly line of Peabody

Street 66 feet to its intersection with the easterly line of Peabody Street; thence southerly along said easterly line about 433 feet; thence southerly and easterly by a curved line of varying radius about 188 feet; thence southwesterly about 88 feet to the intersection of the southwesterly line of Massachusetts Avenue with the northeasterly line of Dunster Street; thence northwesterly along the southwesterly line of Massachusetts Avenue about 218 feet to its intersection with the northwesterly line of Massachusetts Avenue; thence northeasterly along said northwesterly line about 40 feet to its intersection with the northerly line of Brattle Street at the point of beginning.

LECHMERE SQUARE.

Beginning at a point in the southerly line of Cambridge Street at its intersection with the southwesterly line of Bridge Street; thence westerly along said line of Cambridge Street about 343 feet to its intersection with the northwesterly line of Lechmere Square; thence northeasterly along said northwesterly line of Lechmere Square about 219 feet, to its intersection with the northeasterly line of Bridge Street; thence southeasterly along said northeasterly line of Bridge Street about 318 feet, thence southwesterly by a line at right angles to the northeasterly line of Bridge Street about 77 feet to its intersection with the southwesterly line of Bridge Street at the point of beginning.

INMAN SQUARE.

Beginning at a point in the southerly line of Cambridge Street at its intersection with the northeasterly line of Hampshire Street; thence southwesterly by a line at right angles to said line of Hampshire Street 66 feet to its intersection with the southwesterly line of Hampshire Street; thence northwesterly along said line of Hampshire Street about 85 feet to its intersection with the southerly line of Cambridge Street; thence westerly along said southerly line of Cambridge Street about 121 feet; thence northerly by a line at right angles to said line of Cambridge Street 66 feet to its intersection with the northerly line of Cambridge Street, at the tangent point of a curve; thence easterly and northerly along said curve of 1.275 feet radius

about 315 feet to its other tangent point in the southwesterly line of Hampshire Street; thence by a line at right angles to said line of Hampshire Street 66 feet to its intersection with the northeasterly line of Hampshire Street; thence southeasterly along said northeasterly line of Hampshire Street about 120 feet to its intersection with the northerly line of Cambridge Street; thence easterly along said northerly line of Cambridge Street 92 feet; thence southwesterly across Cambridge Street about 67 feet to the point of beginning.

KENDALL SQUARE.

Beginning at a point in the northeasterly line of Broadway at its intersection with the northwesterly line of Third Street; thence southeasterly along said line of Broadway about 318 feet to its intersection with the northerly line of Main Street; thence by a line at right angles to said northerly line of Main Street 70 feet to its intersection with the southerly line of Main Street; thence westerly along said southerly line of Main Street about 380 feet to its intersection with the northwesterly line of Third Street produced and extended southerly; thence northeasterly along said extension and northwesterly line of Third Street about 218 feet to its intersection with the northeasterly line of Broadway, at the point of beginning.

SMITH SQUARE.

Beginning at a point in the northeasterly line of Harvard Street, at its intersection with the northwesterly line of Sixth Street; thence southeasterly along said line of Harvard Street about 224 feet to its intersection with the northerly line of Main Street; thence southerly by a line at right angles to said line of Main Street 70 feet to its intersection with the southerly line of Main Street; thence westerly along said southerly line about 223 feet; thence northerly by a line at right angles to said southerly line about 120 feet to its intersection with the southwesterly line of Harvard Street; thence northeasterly by a line at right angles to said southwesterly line of Harvard Street 50 feet to its intersection with the northeasterly line of Harvard Street at the point of beginning.

Every building hereafter erected within the fire limit districts shall be of the first or second class. This restriction shall not apply to wharves, nor to buildings not exceeding twenty-seven feet in height on wharves, nor to market sheds or market buildings not exceeding such height, nor to buildings for the storage of coal, wood, lumber, or grain, if the external parts of said buildings, elevators and structures are covered with slate, tile, metal or other equally fireproof material, and the mode of construction and the location thereof are approved by the Superintendent. Temporary structures to facilitate the prosecution of any authorized work may be erected under such conditions as the Superintendent may prescribe.

SECT. 10. The provisions of this ordinance shall not apply to bridges, quays or wharves, nor to buildings on land ceded to the United States or owned and occupied by the Commonwealth, nor to the Middlesex County court-house, jail, house of correction, nor to railroad stations, nor to portable school buildings erected and maintained by the city, nor to voting booths.

Except as otherwise provided by law, the provisions of this ordinance shall not be held to deprive any board or department of the city of Cambridge of any power or authority which they have at the date of the passage of this ordinance, or of the remedies for the enforcement of the orders of said boards or officers, unless said powers, authorities or remedies are inconsistent with the provisions of this ordinance; nor to repeal any existing law or ordinance not herein expressly repealed, except so far as it may be inconsistent with the provisions of this ordinance.

DEFINITIONS.

Terms.

SECT. 11. In this ordinance the following terms shall have the meanings respectively assigned to them:

First class building.

First-class building: A first-class building shall consist of fireproof material throughout, with floors constructed of iron, steel or reinforced concrete beams, filled in between with terra-cotta or other masonry arches or with concrete or reinforced concrete slabs; wood may be used only for under and upper floors, windows and door frames, sashes, doors, interior finish, hand rails for stairs, necessary sleepers bedded in the cement, and for isolated furrings bedded in

mortar. There shall be no air space between the top of any floor arches and the floor boarding.

Second-class building: All buildings not of the first class, the external and party walls of which are of brick, stone, iron, steel, concrete, reinforced concrete, concrete blocks, or other equally substantial and fireproof material. ^{Second class building.}

Third-class building: A wooden frame building. ^{Third class building.}

Composite building: A building partly of second-class and partly of third-class construction.

Foundation: That part of a wall below the level of the street curb, or, if a wall is not on a street, that part of the wall below the level of the highest ground next to the wall, or, if so construed by the superintendent, that part of a party or partition wall below the cellar floor. ^{Foundation.}

Height of a building: The vertical distance of the highest point of the roof above the mean grade of the curbs of all the streets upon which it abuts, and if it does not abut on a street, above the mean grade of the ground adjoining the building. ^{Height of building.}

Party wall: A wall that separates two or more buildings and is used or adapted for the use of more than one building. ^{Party wall.}

Partition wall: An interior wall of masonry in a building. ^{Partition.}

Thickness of wall: The minimum thickness of such wall. ^{Thickness.}

Story of a building: That part of a building between the top of any floor beams and the top of the floor or roof beams next above. ^{Story.}

Basement: That story of a building not more than forty per cent. of which is below the grade of the street. ^{Basement.}

Cellar: That story of a building more than forty per cent. of which is below the grade of the street, and in third-class buildings that part of the building which is below the sills or below the first floor beams. ^{Cellar.}

REQUIREMENTS FOR ALL BUILDINGS HEREAFTER ERECTED OR ALTERED.

SECT. 12. No building, structure or foundation shall be constructed or altered without a permit, and such work shall be done in accordance with drawings bearing the approval of the superintendent. ^{Building permits.}

Every structure in process of construction, alteration, repair or removal, and every neighboring structure or portion thereof affected by such process or by any excavation, ^{Support of building during erection.}

shall be supported during such process satisfactorily to the superintendent.

The superintendent may take such measures as the public safety requires to carry these provisions into effect.

All buildings shall have leaders sufficient to discharge the roof water in such a manner as not to flow upon any public way or any neighboring property. Such leaders may project into a public way not over seven inches, subject to the approval of the superintendent.

Use of leaders.

Chimney flue.

Every chimney flue shall extend at least four feet above the highest point of contact with the roof.

Access to roof.

Every permanent building more than twenty feet high having a flat roof shall have permanent means of access to the roof from the inside of an opening not less than two feet by three feet, with a fixed step-ladder.

Egress in case of fire.

Every building shall have, with reference to its height, condition, construction, surroundings, character of occupation, and number of occupants, reasonable means of egress in case of fire, satisfactory to the superintendent, except that in all factories or workshops hereafter built or altered, of second-class construction, where ten or more persons are employed above the third floor, one exit shall consist of a fireproof stairway enclosed in incombustible material.

Frost.

Water pipes in every building shall be properly protected from frost.

Construction of chimneys.

All chimneys of masonry construction shall have walls at least eight inches thick, or be constructed of four-inch brick walls with a suitable flue lining, and plastered on the outside up to the underside of the roof boards.

Water closets.

Every building where persons are employed shall have at least one water-closet for every twenty persons therein employed, and in any building where both sexes are employed, separate accommodations shall be furnished for men and women. Every enclosure containing one or more water-closets shall be provided with ventilation satisfactory to the superintendent.

Materials in first-class building.

In every first-class building and in every second-class building within the fire limit districts, all of the outside finish shall be of incombustible material, except window and door frames, and except finish about show windows. Where store fronts are carried up more than one story the columns and lintels shall be of, or finished with, incombustible material; but in no case shall store fronts be carried more than two

stories unless said fronts are constructed and finished throughout with fireproof material, except window and door frames.

Every ventilating flue shall be constructed of, or lined with, incombustible material.

Every floor in second-class buildings shall have its beams tied to the walls and to each other with wrought iron straps or anchors of at least five-eighths square inch area in cross section, and not less than eighteen inches long, so as to form continuous ties across the building. In mill framing each beam is to be so tied, and in other framing the ties are to be not more than ten feet apart. Walls running parallel or nearly parallel with floor beams shall be properly tied once in ten feet to the floor beams by iron straps or anchors of the size above specified.

Every wooden header or trimmer more than four feet long carrying a floor load of over seventy pounds per square foot shall, at connections with other beams be framed or hung in stirrup irons, and jointbolted. All tail beams and similar beams of wood shall be framed or hung in stirrup irons.

¹Every building hereafter erected shall have the roof in all parts and the sides of dormer windows, covered with incombustible material satisfactory to the superintendent of buildings.

Construction of
second-class
building.

Roofs and
windows.

PROHIBITIONS.

SECT. 13. No wooden building within the fire limit districts shall be so altered or repaired as to increase the fire hazard, nor altered or repaired if the estimated cost of the proposed alterations or repairs exceeds one-half of the cost of a like new building.

Alterations and
repairs.

No wooden building without the fire limit districts shall be moved to any position within the fire limit districts, and no wooden building within the fire limit districts shall be moved to any position away from the lot upon which it is built or to any position where the fire hazard would be increased.

No recess or chase shall be made in any external or party wall so as to leave the thickness at the back less than eight inches.

Recess or chase.

No roof or floor timber entering a party wall shall have timber.

¹ Amended Feb. 7, 1913.

- Snow from roof.** less than four inches of solid brick work between it and the end of any other timber.
- Staging.** No part of any roof shall be constructed in such a manner as to discharge snow, ice, or other material upon a public street or alley.
- Chimney.** No elevated staging or stand for observation purposes shall be constructed or occupied upon the roof of any building.
- Masonry.** No chimney shall be corbelled from a wall more than the thickness of the wall.
- Floor timber.** No chimney shall be hung from a wall which is less than twelve inches thick.
- Studding.** No masonry shall rest upon wood, except piles and mud sills.
- Furnace.** No part of any floor timber shall be within two inches of any chimney.
- Smoke-pipe.** No studding or furring shall be within one inch of any chimney.
- Hot-air pipes.** No furnace or boiler for heating shall be placed upon a wooden floor.
- Observation stand.** No smoke pipe shall project through any external wall or window.
- Closets.** No steam, furnace or other hot-air pipes shall be carried within one inch of any woodwork, unless such pipes are double or otherwise protected by incombustible material.
- Boiler.** No observation stand shall be constructed or maintained except in accordance with plans approved by the superintendent.
- Projections** No closet of any kind shall be constructed under any staircase leading from the cellar or basement to the first story.
- No boiler shall be placed or maintained under any public way.
- No part of any structure, except cornices, permanent awnings, string courses, window caps and sills, and outside means of egress as otherwise provided, shall project over any public way or square,¹ except that the city council after notice to abutters and a public hearing before a convention of the city council, of which notice by publication shall have been given at the expense of the petitioners, may issue licenses or permits under the provisions of chapter 30 of the revised ordinances of the city of Cambridge for bay windows and similar projections over public streets of not less than forty feet in

¹ Amended Nov. 12, 1910.

width, such bay window or other projection in no case to project more than three feet over such public way. No cornice shall so project more than three feet, nor more than sixteen inches over a way of a width of thirty feet or less.

No building shall be erected for or converted to use as a ^{Use as} Stable. unless such use is authorized by the board of health.

No building shall be erected for or converted to use as a ^{Use as} Garage. garage unless such use is previously authorized by the board of aldermen.

MATERIALS.

STRENGTH OF MATERIALS.

SECT. 14. The stresses in materials hereafter used in the ^{Stresses in} construction of all buildings, produced by their own weight and the loads herein specified, shall not exceed the limits assigned in the following paragraphs of this section:

(a) TIMBER.

UNIT STRESSES IN POUNDS PER SQUARE INCH.

	Compression Perpendicular to the Grain	Shearing along the Grain	On Extreme Fibre of Beams	Timber.
White pine and spruce	1,000	80	250	
White oak	1,000	150	600	
Yellow pine (long leaved).....	1,500	100	500	

Stresses due to transverse loads combined with direct tension or compression shall not exceed the extreme fibre stresses given above.

In computing deflection the modulus of elasticity shall be taken as follows:

	Pounds per square inch.
White pine	750,000
Spruce	900,000
Yellow pine (long leaved).....	1,300,000
White oak	850,000

Columns (Centrally Loaded).

For wooden columns with flat ends, where L is the length

of the column, D is its least diameter, the average stress per square inch on a cross-section shall be limited as follows:

L	Average stress per square inch:		
D	<i>White pine and spruce.</i>	<i>Long-leaved yellow pine.</i>	<i>White oak.</i>
0 to 10.....	630	900	810
10 to 15.....	595	850	765
15 to 20.....	560	800	720
20 to 25.....	525	750	675
25 to 30.....	490	700	630

No column shall be used with a greater unsupported length than thirty times its least diameter.

For eccentric loads, see Section 16.

(b) WROUGHT IRON AND STEEL.

UNIT STRESSES IN POUNDS PER SQUARE INCH.

Wrought Iron and Steel

Wrought iron. Steel (1).

Extreme fiber of rolled beams or shapes	12,000	16,000
Tension	12,000	16,000
Compression in flanges of built beams	12,000	16,000
Shearing (see below for bolts).....	9,000	10,000
Direct bearing, including pins and rivets	15,000	18,000
Bending on pins.....	18,000	22,500
Modulus of elasticity.....	27,000,000	29,000,000

(1) These stresses (except for rivets) are for steel having an ultimate tensile strength of from fifty-five thousand to sixty-five thousand pounds per square inch, an elastic limit of not less than one-half the ultimate strength, and a minimum percentage of elongation in eight inches of one million four hundred thousand, divided by the ultimate strength.

For compression members twelve thousand for iron and

sixteen thousand for steel, reduced according to the following formula:

12,000 (or 16,000 for steel).

$$1 + \frac{L^2}{20,000 r^2}$$

in which L is the length of the column in inches, and r is the radius of gyration in inches taken around the axis about which the column will bend (for free columns, the least radius of gyration).

The stresses due to transverse loads combined with direct tension or compression shall not exceed the extreme fiber stress given above for rolled beams and shapes, or in case of built members the above tension and compression stresses (see Section 16).

Compression flanges of beams shall be proportioned to resist lateral flexure unless properly stayed or secured against it. If the ratio of unsupported length of flange to width of flange does not exceed twenty, no allowance need be made for lateral flexure. If the ratio is seventy, the allowable stress on the extreme fiber shall be one-half of that above specified, and proportionately for intermediate ratios.

Shearing and bearing stresses on bolts shall not be higher than eighty per cent. of those allowed by the above table. All connections in skeleton buildings, all splices in steel trusses and girders, and all connections of such trusses and girders to the sides of steel columns shall, if possible, be made by means of rivets rather than by bolts.

(c) CAST IRON.

UNIT STRESSES IN POUNDS PER SQUARE INCH.

Extreme fiber stress, tension.....	3,000
Extreme fiber stress, compression.....	16,000

Cast iron shall not be used for columns in buildings of more than seventy-five feet in height, nor in cases where the value of the length divided by least radius of gyration exceeds seventy.

CAST-IRON COLUMNS (CENTRALLY LOADED AND UNSUPPORTED LATERALLY).

Cast-iron.

Where the length divided by the least radius of gyration equals—	Average stress per square inch of section.
10.....	11,000
20.....	10,700
30.....	10,400
40.....	10,100
50.....	9,800
60.....	9,500
70.....	9,200

(d) STONE WORK IN COMPRESSION.

STRESSES IN TONS OF TWO THOUSAND POUNDS PER SQUARE FOOT.

Stone work.

First quality dressed beds and builds, laid solid in mortar of one part Portland cement to three parts sand, or one part natural cement to two parts sand.

Granite	60
Marble and limestone	40
Sandstone	30

In cases where poorer mortar is used, to avoid stain from cement, stresses shall be less than above, and must be approved by the superintendent.

(e) BRICKWORK IN COMPRESSION.

STRESSES IN TONS OF TWO THOUSAND POUNDS PER SQUARE FOOT.

Brick work.

1. For first-class work of hard-burned bricks, including piers in which the height does not exceed six times the least dimension, laid in:

- (a) One part Portland cement, three parts sand, by volume, dry 20
- (b) One part natural cement, two parts sand, by volume, dry 18
- (c) One part natural cement, one part lime and six parts sand, by volume dry 12

(d) Lime mortar, one part lime, six parts sand, by volume,
dry 8

2. For brick piers of hard-burned bricks in which the height is from six to twelve times the least dimensions:

Mortar (a)	18
Mortar (b)	15
Mortar (c)	10
Mortar (d)	7

3. For brickwork made of "light-hard" bricks the stresses shall not exceed two-thirds of the stresses for like work of hard-burned bricks.

(f) CONCRETE.

When the structural use of concrete is proposed, a specification stating the quality and proportions of materials, and the methods of mixing the same, shall be submitted to the superintendent, who may issue a permit at his discretion and under such further conditions, in addition to those stated below, as he sees fit to impose.

(A) In first-class Portland cement concrete, containing stress. one part cement to not more than six parts mixed properly graded aggregate, except in piers or columns of which the height exceeds six times the least dimensions, the compressive stress shall not exceed thirty tons of two thousand pounds per square foot.

(B) In piers and columns of first-class Portland cement concrete, containing one part cement to not more than five parts mixed properly graded aggregate, where the height of the pier or column is more than six times and does not exceed twelve times its least dimensions, the compressive stress shall not exceed twenty-five tons of two thousand pounds per square foot.

By "aggregate" shall be understood all the materials in aggregate. the concrete except the cement. Cinders concrete shall be used constructively only for floors, roofs and for filling.

Rules for the computation of reinforced concrete columns computation. may be formulated from time to time by the superintendent, with the approval of the board of appeal.

In reinforced concrete beams or slabs subjected to bending stresses, the entire tensile stress shall be assumed to be carried by the steel, which shall not be stressed above the limits Bending stresses.

allowed for this material. First-class Portland cement concrete in such beams or slabs, containing one part cement to not more than five parts mixed properly graded aggregate, may be stressed in compression to not more than five hundred pounds per square inch. In case a richer concrete is used, this stress may be increased with the approval of the superintendent to not more than six hundred pounds per square inch.

Shearing force.

In reinforced concrete the maximum shearing force upon the concrete when uncombined with compression upon the same plane shall not exceed sixty pounds per square inch, unless the superintendent, with the consent of the board of appeal, shall fix some other value.

If the imbedded steel has no mechanical bond with the concrete, its holding power shall not exceed the allowable shearing strength of the concrete.

(g) IN GENERAL.

Under the prescribed loads, beams shall be so proportioned that the deflection shall not exceed one-three-hundred and sixtieth (1-360) of the span.

Strength of beams.

Stresses for materials and forms of material not herein mentioned shall be determined by the superintendent. Provision for wind bracing shall be made wherever it is necessary, and all buildings shall be constructed of sufficient strength to bear with safety the load intended to be placed thereon, in addition to the weight of the materials used in construction.

Cutting.

No cutting for piping or any other purpose shall be done which would reduce the strength of any part of the structure below what is required by the provisions of this ordinance.

QUALITY OF MATERIALS.**Quality.**

SECT. 15. All materials shall be of such quality for the purposes for which they are to be used as to insure, in the judgment of the superintendent, ample safety and security to life, limb, and neighboring property. The superintendent shall have power to reject all materials which in his opinion are unsuitable, and may require tests to be made by the owner to determine the strength of the structural materials, and may require certified copies of results of tests made else-

where from the architect, engineer, builder, owner or other interested persons.

Hollow cast-iron columns, if used, shall be shown by measurements and tests satisfactory to the superintendent to be of practically uniform thickness and free from blow holes. ^{Tests}

MORTARS.

All mortars shall be made with such proportion of sand as will insure a proper degree of cohesion and tenacity and secure thorough adhesion to the material with which they are used, and the superintendent shall condemn all mortars not so made. ^{Mixture.}

(a) Mortar below the level of water shall be no poorer than one part Portland cement and three parts sand;

(b) Mortar for first-class buildings shall, for the lower half of their height, be no poorer than one part natural cement to two parts sand; and, for the upper half, no poorer than one part of natural cement, one-half part of lime, and three parts of sand; ^{First-class buildings.}

(c) Mortar for second-class buildings and for such parts of third-class buildings as are below the level of the sidewalk shall be no poorer than one part of natural cement, one of lime, and four of sand; ^{Second-class buildings.}

(d) Mortar for third-class buildings above ground shall be no poorer than one part lime and four parts sand. ^{Third-class buildings.}

The superintendent may allow lime mortar in setting stone where cement will stain. ^{Lime mortar.}

Concrete shall be used immediately after mixing; it shall not be placed in the work after it has begun to harden and it shall be deposited in such manner and under such regulations as to secure a compact mass of the best quality for the proportions used. Forms shall remain until the concrete has hardened so as to be able to carry its load safely, and shall be removed without jar. ^{Use of concrete.}

The superintendent may require an applicant for a permit for the structural use of concrete to have a competent inspector at all times on the work while concrete is being mixed or deposited, and such inspector shall make daily reports to the superintendent on the progress of the work. ^{Inspector.}

CEMENT.

Cement shall conform to the specifications of the Ameri- ^{Test.}

can Association for Testing Materials, as modified from time to time by that association.

REINFORCED CONCRETE.

Continuous beams.

Reinforced concrete slabs, beams or girders, if rendered continuous over supports by being unbroken in section, shall be provided with proper metal reinforcement at the top over said supports and may be computed as continuous beams, as hereinafter described.

Elasticity.

The modulus of elasticity of the concrete, if not shown by direct tests, may for beams and slabs be taken as one-fifteenth that of steel, and for columns one-tenth that of steel.

Metal.

The reinforcing metal shall be covered by not less than three-fourths inch of concrete in slabs, and by not less than one and one-half inches of concrete in beams and columns.

METHODS OF COMPUTATION.

Continuous beams.

SECT. 16. Beams or girders of metal or reinforced concrete shall be considered as simply supported at their ends, except when they extend with unbroken cross-section over the supports, in which case they may be considered as continuous.

Span.

The span of a beam shall be considered as the distance from center to center of the bed plates or surfaces upon which it rests. If it is fastened to the side of a column, the span shall be measured to the center of the column.

Bending.

In slabs, beams, or girders continuous over supports, provision shall be made for a negative bending moment at such supports equal to four-fifths of the positive bending moment that would exist at the center of the span if the piece were simply supported; and the positive bending moment at the center of the span may be taken equal to the negative bending moment at the support.

T-beam.

In the case of a slab of reinforced concrete with parallel ribs or girders beneath, the rib or girder may be considered to include a portion of the slab between the ribs, forming a T-beam. The width of the T-beam on top shall not exceed one-third the span of the rib nor the distance from center to center of the ribs.

Members.

Reinforced concrete columns shall be proportioned on the assumption that the concrete and steel are shortened in length in the same proportion. The steel members shall be

tied together at intervals sufficiently short to prevent buckling.

If a column is loaded eccentrically or transversely, the maximum fiber stress, taking account of the direct compression, the bending which it causes, its eccentricity and the transverse load, shall not exceed the maximum allowable stress in compression. Maximum stress.

If a tension piece is loaded eccentrically or transversely, the maximum fiber stress, taking account of the direct tension, its eccentricity and the transverse load, shall not exceed the maximum allowable stress in tension.

An eccentric load upon a column shall be considered to affect eccentrically only the length of column extending to the next point below at which the column is held securely in the direction of the eccentricity. Eccentric load.

If a piece is exposed to tension and compression at different times, it shall be proportioned to resist the maximum of each kind, but the unit stresses shall be less than those used for stress of one kind, depending upon the ratio and the relative frequency of the two maxima. Unit stresses.

Net sections shall be used in proportioning steel tension members, and in deducting rivet holes they shall be taken as one-eighth of an inch greater in diameter than the rivets. Net sections.

The length of a steel compression member between supports in any direction shall not exceed one hundred and twenty times its radius of gyration about an axis perpendicular to that direction. Length of member.

The webs of plate girders shall not exceed one hundred and buckling in cases where they are not supported laterally, according to the formula:

$$\frac{16,000}{\frac{1}{I} + \frac{d_2}{3,000} - \frac{t_2}{t}} = \text{Thickness of web.}$$

in which t equals thickness of web in inches; d equals clear, unsupported dimension horizontally or vertically, whichever is the lesser.

In proportioning the flanges of plate girders, one-eighth of the gross area of the web may be considered as available in each flange. If the length of the top flange unsupported laterally exceeds twenty times its width, the allowable stress shall be reduced, as in the case of rolled beams. Proportion of flange.

Pins

Pins shall be computed by assuming the forces in the bars to act at the center of the bearing areas.

Rivets

In riveted trusses the center of gravity lines of members coming together at a joint shall, if possible, intersect at a point. Excentricity due to a non-fulfillment of this rule shall be allowed for in the computations. The center of gravity of the rivets connecting one piece to another shall, in general, lie as nearly as practicable in the center of gravity line of the piece.

CLASSIFICATION.**Height of first-class buildings.**

SECT. 17. Every building over seventy-five feet in height hereafter erected or raised shall be constructed as a first-class building.

RESTRICTION OF AREAS.**Protection by enclosures.**

Any first-class building hereafter erected to be used above the first floor as a warehouse or store for the storage or sale of merchandise shall have all vertical openings for elevators and stairways, air or light shafts through the floors protected by fireproof enclosures, with incombustible sash, doors and frames. Such enclosures shall, if enclosing stairs or escalators, have automatic doors and all glass in said enclosures shall be wire glass.

Second-class buildings.

Second-class buildings used for houses for habitation shall be so divided by brick walls that no space inside such buildings shall exceed in area four thousand square feet. Said walls may be partition walls which shall be built to the underside of the roof boards.

Walls.

Every second-class building more than three stories high and used above the first floor as a warehouse or store for the storage or sale of merchandise shall have all vertical openings for elevators and stairways, air or light shafts, through its floors protected by fireproof enclosures. Such enclosures shall be supported on fireproof supports and framing, and shall, if enclosing stairs or escalators, have automatic doors, and all glass in said enclosures shall be wire glass.

Protection by enclosures.

No building used above the first floor for the storage or sale of merchandise shall have less than two means of egress from every story, one of which means may be either an outside fire escape or through a brick wall closed by automatic doors into a building of the same class; except that an inde-

Means of egress.

pendent monumental stairway extending from the basement to the second floor may be constructed. If both stairs are inside the building, one shall be enclosed in walls of incombustible material and all doors therein shall open outward.

BUILDING FOR MANUFACTURING PURPOSES.

Wooden buildings outside the fire limit districts and adapted exclusively for manufacturing, storage, exhibition, mechanical, or stable purposes, may be built of unlimited area under such conditions as the superintendent shall prescribe, but shall not exceed forty-five feet in height. The area of such buildings shall be so divided by brick walls constructed as party walls that no area within such walls shall exceed twenty-five thousand square feet if one story high nor twelve thousand square feet if more than one story.

Height and area
of wooden
buildings.

CONSTRUCTION.

HEIGHT.

SECT. 18. No building, structure, or part thereof shall be ~~width of street~~ of a height exceeding two and one-half times the width of the widest street on which the building or structure stands, whether such street is a public street or place or a private way, nor exceeding one hundred and twenty-five feet in any case. The width of such street, place or private way shall be measured from the face of the building or structure to the line of the street on the other side. If the street is of uneven width, the width shall be the average width of the part of the street opposite the building or structure; if the effective width of the street is increased by an area or setback, the space between the face of the main building and the lawfully established line of the street may be built upon to the height of two and one-half times the width of the street.

Measurement.

Except that the limitation of the height of buildings shall not apply to churches, steeples, towers, domes, cupolas, bell-fries, statuary, pipes, water tanks, elevator houses, gas holders, coal or grain elevators, balustrades or parapets, skylights, ventilators, houses not exceeding twelve feet square and twelve feet in height, or other ornamental or similar constructions such as are usually erected above the roof line of buildings, any of which may be carried to a greater height than one hundred and twenty-five feet.

Limitation of
height not apply
to churches, etc.

EXCAVATIONS.

Protection.

SECT. 19. All excavations shall be so protected, by sheet piling if necessary, by the persons causing the same to be made, that the adjoining soil or foundation shall not cave in by reason of its own weight. It shall be the duty of the owner of every building to furnish, or cause to be furnished, such support that his building shall not be endangered by any excavation, unless said excavation is carried more than ten feet below the grade of the principal street. All permanent excavations shall be protected by retaining walls. In case of any failure to comply with the provisions of this section, the superintendent may enter upon the premises and may furnish at the expense of the owner such support as the circumstances may require.

PILING.

Diameter and bearing.

SECT. 20. All buildings shall, if the Superintendent determines that piling is necessary, be constructed on foundation piles, and the number, diameter and bearing of such piles shall be sufficient to support the superstructure proposed. The superintendent shall determine the grade at which the piles shall be cut. He may require any applicant for a permit to ascertain by boring the nature of the ground on which it is proposed to build, and he may require a competent inspector satisfactory to him to be at all times on the work while piles are being driven, who shall keep an accurate record of the length of each pile, the weight and fall of the hammer, and the penetration of each pile for each of the last two blows of the hammer.

Methods of driving piles.

Plain concrete piles shall be made in place by methods which are reasonably certain to secure perfect, full-sized piles. Reinforced concrete piles, if properly designed to resist the shock of driving, and if driven with a cushion to lessen the shock, or by a water jet, may be molded, allowed to harden, and then driven in place.

Bearing power.

In case concrete piles are used, whether reinforced or not, their bearing power shall be determined by putting in one or more test piles and loading them after the concrete has hardened. The load allowed shall not be more than one-half of the load under which the pile begins to settle. In no case, however, shall the load on a concrete pile exceed that specified herein for concrete in columns. Concrete for piles shall have

not more than five parts of properly made and mixed aggregate to one part of Portland cement; and the aggregate shall all be capable of passing through a one-inch ring.

All wood piles shall be capped with block granite levelers, Leveler. each leveler having a firm bearing on the pile or piles which it covers, or with first-class Portland cement concrete, not less than sixteen inches thick, above the pile caps, containing one part of cement to not more than six parts of properly ground aggregate of stone and sand, the concrete to be filled in around the pile heads upon the intervening earth.

FOUNDATIONS OF FIRST AND SECOND-CLASS BUILDINGS.

SECT. 21. Foundations of first and second-class buildings Brick, stone, etc. may be of brick, stone or concrete. The thickness shall be as stated in Section 23. Foundations of rubble stone shall be allowed only under buildings less than fifty feet in height and for a depth of less than ten feet.

The walls and piers of every building shall have a foundation, the bearing of which shall be not less than four feet below any adjoining surface exposed to the frost, and such foundation, with the superstructure which it supports, shall not overload the material on which it rests. Bearing.

CELLARS.

SECT. 22. The cellar of every building hereafter built, Protection. where the grade or nature of the ground so requires, shall be sufficiently protected from water and damp by a bed at least two inches thick over the whole, of concrete, cement and gravel, tar and gravel, or asphalt, or by bricks laid in cement. No cellar or basement floor of any building shall be constructed below the grade of twelve feet above mean low water, unless such cellar is made water-proof to the satisfaction of the superintendent. All metal foundations and all constructional metal work underground shall be protected from dampness by concrete, or by other material, approved by the superintendent.

THICKNESS OF WALLS.

SECT. 23. The external walls above the foundation of External walls. houses for habitation of first or second-class construction and not exceeding sixteen hundred square feet in area and not over three stories high, shall be not less than eight inches thick for

external walls and not less than twelve inches thick for party walls.

Dimensions.

The external and party walls for houses for habitation not exceeding four stories or fifty feet in height shall be not less than twelve inches thick; said walls for said buildings not exceeding five stories or sixty feet in height, shall be not less than sixteen inches thick to the top of the first floor and not less than twelve inches thick above; said walls in said buildings not exceeding six stories or seventy-five feet in height shall be not less than sixteen inches thick to the top of the second floor and not less than twelve inches thick above.

In all buildings, partition walls which do not carry floor loads may be made four inches less in thickness than is required for external and party walls for houses for habitation.

Except as above stated, the external and party walls of every building of the first and second class shall be twelve inches thick in the upper two stories of the height of said wall, not exceeding twenty-five feet in height. In the section of two stories, but not exceeding twenty-five feet next below, the walls shall be sixteen inches thick. In the next lower section of three stories, but not exceeding thirty-seven feet, the walls shall be twenty inches thick, and in each succeeding section of three stories, but not exceeding thirty-seven feet or any part thereof, the walls shall be four inches thicker than the section next above it.

Foundation walls of rubble shall be at least twelve inches thicker than the walls they sustain, and foundation walls of other materials shall be at least four inches thicker than the required thickness of the walls of the first story. All foundation walls more than two stories or twenty feet deep, shall be increased four inches in thickness for every added depth of two stories or twenty feet, or any part thereof. The thickness herein given shall apply to all masonry walls unless they are reinforced by a frame or skeleton of steel.

In reckoning the thickness of walls, ashlar shall not be included unless the walls are at least sixteen inches thick and the ashlar is at least eight inches thick, or unless alternate courses are at least four and eight inches to allow bonding with the backing. Ashlar shall be properly held by metal clamps to the backing or properly bonded to the same.

Provided, however, that nothing herein contained shall prohibit the use of a mill construction for exterior walls, consisting of piers properly proportioned to sustain all the loads and

connected by curtain walls, if the dimensions of all parts of the construction are made satisfactory to the superintendent.

Parapet walls shall be at least eight inches thick above roof.

ANCHORS.

SECT. 24. All walls of a first or second class building meeting at an angle shall be securely bonded, or shall be united every five feet of their height by anchors made of at least two inches by half an inch of steel or wrought iron, well painted, and securely built into the side of partition walls not less than thirty-six inches, and into the front and rear walls at least one-half the thickness of such walls.

Wall of second-class buildings.

BRICKWORK—BONDING.

SECT. 25. Every eighth course, at least, of a brick wall ^{Bonding.} shall be a full heading or bonding course, except where walls are faced with face brick, in which case in every eighth course at least every other brick shall be a full header. No diagonal header ties shall be used.

VAULTED WALLS.

SECT. 26. If the air spaces are headed over and the walls ^{Masonry.} are built solid for at least three courses below the floor and roof beams, walls, if of brick, may be built hollow. They shall contain, exclusive of withes, the same amount of material as is required for solid walls, and the masonry on the inside of the air space in walls over two stories in height shall be not less than eight inches thick and the parts on either side shall be securely tied together with ties not more than two feet apart in each direction.

WALLS FRAMED WITH IRON OR STEEL.

SECT. 27. Walls may be built in part of iron or steel or ^{Materials.} with a reinforced concrete or metal frame work. In such metal frame work the beams and girders shall be riveted to each other at their respective junction points. If columns made of rolled iron or steel are used, their different parts shall be riveted to each other, and the beams and girders resting upon them shall, if possible, have riveted connections to unite them with the columns. If cast-iron columns are used, each successive column shall be bolted to the one below it by at least

four bolts not less than three-fourths of an inch in diameter, and the beams and girders shall be bolted to the columns. At each line of floor or roof beams, lateral connections between the ends of the beams and girders shall be made in such manner as rigidly to connect the beams and girders with each other in the direction of their length.

All party walls of skeleton construction shall have curtain walls not less than twelve inches thick.

All outside walls of skeleton construction shall have curtain walls which may be of masonry, terra-cotta, concrete, or reinforced concrete, constructed and supported under such conditions as the superintendent shall prescribe.

Materials.

If the metal or other framework is so designed that the enclosing walls do not carry the weight of floors or roof, then the walls shall be of masonry or concrete construction and shall be thoroughly anchored to the iron skeleton, and whenever the weight of such walls rests upon beams or columns, such beams or columns shall be made strong enough in each story to carry the weight of wall resting upon them without reliance upon the walls below them.

PARTY WALLS ABOVE ROOF.**Height.**

SECT. 28. Except as hereafter provided, in buildings less than fifty feet in height all party walls shall be built to a height at least twelve inches above the roof covering, and shall be capped with stone, cement or metal securely fastened to the masonry. In all other buildings such walls shall be carried thirty inches above the roof.

WALLS—CORNICES.**Cornices.**

SECT. 29. Where a wall is finished with a stone cornice, the greatest weight of material of such cornice shall be on the inside of the face of the wall. All cornices of second-class buildings within the fire limits shall be of brick or covered with fireproof material, and the walls shall be carried up to the boarding of the roof; and where the cornice projects above the roof the masonry shall be carried up to the top of the cornice and covered with metal, like parapet walls.

PIERS AND HEARTHS.

SECT. 30. Piers and walls shall have caps or plates of

iron or stone where they are needed, sufficient properly to distribute the load.

Hearths shall be supported by trimmer arches of brick or stone; or shall be of single stones at least six inches thick, built into the chimney and supported by iron beams, one end of which shall be securely built into the masonry of a chimney or of an adjoining wall, or which shall otherwise rest upon an incombustible support. Rough brick jambs of every fireplace, range or grate opening shall each be at least eight inches wide, and the backs of such openings shall be at least eight inches thick, but four inches of this backing may be the finished fireplace. Hearths and trimmer arches shall be at least twelve inches longer on either side than the width of such openings, and at least eighteen inches wide in front of the chimney breast. Brickwork over fireplaces and grate openings shall be supported by proper iron bars, or brick or stone arches.

WALLS—DOORWAYS IN PARTY AND PARTITION WALLS.

SECT. 31. Openings for doorways in party walls shall not exceed one hundred square feet each in area, and each opening shall have two sets of fireproof doors and frames separated by the thickness of the wall, hung in a manner satisfactory to the superintendent, except that the aggregate width of all openings in any story shall not exceed fifty per cent of the length of the wall in which such openings occur. Openings, not exceeding one hundred and forty-four square inches, constructed and protected as shall be approved by a writing signed by the superintendent, may be permitted in any wall on floor.

Openings in partition walls in houses for habitation shall be protected by single fireproof doors and frames, hung in a manner satisfactory to the superintendent.

FIRE PROTECTION.

SECT. 32. All structural metal supporting or forming part of the frame, floors, roof or columns of any building, except as otherwise exempted in this ordinance, shall be protected against the effect of heat.

This protection shall consist of concrete, or of porous terra-cotta or brick set in cement mortar. When block construction is used, it shall be clamped in place with steel clamps; or wrapped securely with No. 12 galvanized-iron wire or metal

lathing in such manner as to hold each block in place, and shall be plastered with lime or other mortar at least three-fourths of an inch thick in addition to the protection.

Floor and roof.

The protection on all floor and roof beams shall be at least one inch thick, on all floor and roof girders and on all beams carrying masonry at least one inch thick on top and two inches thick elsewhere, on all columns carrying only floors three inches, and on all columns built into or carrying walls four inches.

Terra cotta blocks.

If terra-cotta blocks are used for protection, such blocks may be hollow, but each face shall be solid, and no flange shall be less than one inch thick.

Plaster.

Plaster on wire or metal lath shall not be considered as a fire protection for steel or iron structural members, but may be used with an air space under arches as a suspended ceiling, provided that such arches have at least one inch of thickness of fireproofing under the flanges in addition to such ceiling, and that the metal lath and plaster are suspended separately from the arches and are not less than one inch below the same.

Applied directly.

All protection shall be applied directly to the metal work and shall not be broken into nor interrupted by any pipes, wires, chases or conduits of any kind.

Exterior of buildings.

About isolated columns on the exterior of buildings the thickness of protection may be reduced to one inch, when the same is covered with an outer shell of cast iron or steel.

When a column or girder is formed of built-up shapes, the spaces between flanges shall be filled solid with protecting material, but this protection need not extend more than one inch beyond the edges of projecting angles, bars or channels. The protection shall cover all lugs, brackets, braces, etc.

Trusses.

The metal work of all trusses carrying masonry or floor loads shall be protected, as hereinbefore described, but said provisions shall not apply to trusses which carry roof load only.

Wall formed.

When a wall or partition is formed with a framework of angles, channels or other built-up shapes, and such wall or partition is filled in flush with both faces of the frame with terra-cotta blocks, additional protection may be omitted.

With the approval of the superintendent, the above requirements as to fireproofing shall not apply to iron or steel in second or third class buildings in any case in which the use of

wood without fire protection would be permissible under this ordinance.

In work in connection with alterations of existing buildings, ^{Work in alterations} the character and amount of protection for steel and iron work shall be made satisfactory to the superintendent.

In positions where the protection of isolated or exposed ^{Isolated or broken columns.} columns is likely to be broken or damaged there shall be outside of the protection a casing at least five feet high of iron or wood, bound with wire or steel so as to be self-supporting.

Spaces between and behind all furring and all studding of bearing partitions shall be filled solid with bricks and mortar or other fireproof material for a space of five inches in height above the floor beams or plaster grounds. Spaces between the strap furring on brick walls shall be filled solid with mortar for five inches below the bottom of the floor beams. The spaces between stringers of stairs and joists of landings, unless unceiled or of fireproof construction, shall be stopped solid with brick, terra-cotta or other incombustible material as often as twice in each flight of stairs. The spaces between floor beams on bearing partitions shall be stopped in a similar manner. ^{Spaces filled.}

The tops of all heating furnaces and smoke pipes shall be at least one foot below the nearest wooden beams or ceiling. All ceilings immediately over a furnace or boiler and for two feet on each side thereof, and all ceilings within one foot of indirect radiators, shall, except under fireproof floors, be metal lathed and plastered, or have other protection satisfactory to the superintendent. ^{Tops and ceilings.}

All hot-air register boxes in the floors or partitions of buildings shall be set in soapstone or equally fireproof borders not less than two inches in width, shall be made of tin plate, and shall have double pipes and boxes properly fitted to the soapstone. Hot-air pipes and register boxes shall be at least one inch from any woodwork, and their connecting pipes shall be two inches from any woodwork. If indirect hot water or indirect steam heat is used, the superintendent may modify or dispense with the foregoing requirements. ^{Hot-air boxes.}

FIREPROOF PARTITIONS.

SECT. 33. Partitions in buildings of first-class construction ^{Materials in construction.} shall be constructed of plastering applied to metal lathing or to plaster boards, or constructed of brick or hollow blocks

composed of cement, plaster or terra-cotta. When block construction is used, it shall be self-supporting above all openings, thoroughly bonded and set in Portland cement. The blocks shall start from the floor and shall be continuous to the floor above, except that in the upper story, where there is a space between the ceiling of the top story and the roof, these partitions need not extend above the ceiling. If plastered on both sides the blocks shall be not less than four inches thick for a partition not more than fifteen feet in height, and shall be thickened one inch for every additional eight feet or fraction thereof in height. The thickness of webs shall be not less than three-fourths of an inch.

If partitions are not plastered on both sides, the thickness of blocks shall be one inch greater than as specified above.

TIMBERS IN WALLS OF SECOND-CLASS BUILDINGS.

Walls.

SECT. 34. The ends of all wood floor or roof beams in second-class buildings shall enter the wall to a depth of at least four inches. When the wall is eight inches thick it shall the ends of all such beams shall so be shaped or arranged that in case of fire they may fall without injury to the wall.

ALTERATIONS OF EXISTING BUILDINGS.

SECT. 35. Except as otherwise provided in section 13, any building may be altered, remodeled or enlarged for use as a house for habitation.

The first story or basement, or both the first story and basement, in such buildings, may be used for mercantile purposes, as provided in section 53.

The height of any such building shall not be increased unless be corbelled or the beams shall be hung in metal hangers; and the walls and foundations conform to the provisions of this ordinance.

Every such building, more than forty feet in height, so altered, remodeled or enlarged, shall be provided with at least two independent exits satisfactory to the superintendent.

Any such building so altered, remodeled or enlarged as a house of habitation for more than two families shall have the same exposure and yards as is hereinafter provided for tenement houses.

If, in the opinion of the superintendent, the alteration proposed to be made in a building is of such extent as, when done,

First story or basement.

Height.

Exits.

Yards.

Damaged structure.

to produce a practically new structure or to impair the stability or increase the fire risk of the structure as a whole, then the whole structure shall be made to conform to the provisions of this ordinance for a new structure of the same class. A building damaged by fire or other casualty may be repaired or restored so as to conform to its original condition, or may be reconstructed in some or all of its parts as the superintendent may specify in his permit.

Except as otherwise provided for tenement houses, every living-room in a building hereafter adapted for habitation shall have a window on the open air of an area not less than ten square feet and distant not less than six feet from any opposite wall, or three feet from the lot line. Windows.

FLOORS—LOADS.

SECT. 36. All new or renewed floors and stairs shall be so constructed as to carry safely the weight to which the proposed use of the building may subject them and every permit granted shall state for what purpose the building is designed to be used; but the least capacity per superficial square foot, exclusive of materials, shall be:

For floors of houses for habitation, fifty pounds. Houses.

For office floors and for public rooms of hotels, one hundred pounds. Offices.

For floors of retail stores and public buildings, except schoolhouses, or for light manufacturing, one hundred and twenty-five pounds. Stores.

For floors of schoolhouses, other than floors of assembly rooms, eighty pounds, and for floors of assembly rooms, one hundred and twenty-five pounds. School houses.

For floors of drill rooms and riding schools, two hundred pounds. Riding schools.

For floors of warehouses, at least two hundred and fifty pounds. Warehouses.

For flat roofs, forty pounds. Flat roofs.

For stairs, landings, platforms and fire escapes, seventy pounds. Stairs.

The loads not included in this classification shall be determined by the superintendent. Loads.

The full floor load specified in this section shall be included in proportioning all parts of buildings designed for warehouses, or for heavy mercantile and manufacturing purposes.

In other buildings, however, reductions may be allowed, as follows: For girders carrying more than one hundred square feet of floor, the live load may be reduced ten per cent. For columns, piers, walls and other parts carrying two floors, a reduction of fifteen per cent of the total live load may be made; where three floors are carried, the total live load may be reduced by twenty per cent; four floors, twenty-five per cent; five floors, thirty per cent; six floors, thirty-five per cent; seven floors, forty per cent; eight floors, forty-five per cent; nine or more floors, fifty per cent.

The superintendent may prescribe the maximum loads which may be imposed upon the floors of existing buildings.

The superintendent shall prescribe the details of construction of all fire escapes.

SHUTTERS.

SECT. 37. In all first or second class mercantile or manufacturing buildings over thirty feet in height, outside openings in party walls, or in any rear or side wall within twenty feet of an opposite wall or building, shall have metal frames and sashes, and shall be glazed with wire glass, or shall be protected by shutters. Such shutters shall be covered on both sides with tin, or shall be made of other substantial fireproof material, and hung on the outside, either upon independent metal frames or upon metal hinges attached to the masonry, and shall be made to be handled from the outside and one such shutter in each room shall have a protected hand-hole eight inches in diameter.

ELEVATORS.

Construction.

SECT. 38. Elevators and hoists for freight which do not run above the first story may be constructed without fireproof enclosures. Freight and passenger elevators may be placed in areas or hallways where the same are continuous and unbroken, such elevators to be protected by metal grille. In all buildings more than three stories in height, except as above provided, all shafts for elevators, hoists and lifts shall be constructed of fireproof material. All light and ventilating shafts, air ducts and dumb waiters more than twenty-eight inches square, extending above one story, shall be constructed of or lined with incombustible material in a manner approved by the superintendent. The tops of all such shafts shall be covered

with incombustible material unless the shaft extends above the upper floor of the building, and in that case the shaft shall be carried at least three feet above the roof and shall be covered with a skylight. Such shafts, if for freight or for passenger elevators, shall be of brick at least eight inches thick, or of metal covered on both sides with at least one inch of plaster applied immediately to the metal, or of some other equally substantial fireproof material.

Every opening into a shaft or hoistway shall be protected by Gates, self-closing gates, rails, trap-doors, or other equivalent devices.

Every elevator shall be provided with a safety attachment ^{Safety attachment.} to prevent the falling of the car. The machinery over the elevator shall have underneath it a grille sufficient to protect the car from falling material.

Every opening into an elevator shaft or hoistway and every opening through a floor, other than a stairway, shall be closed when not in use.

All elevator shaft openings, other than openings into passenger elevator shafts, shall be furnished with three-ply metal-covered or incombustible doors hung in a manner satisfactory to the superintendent, and shall be provided with iron thresholds. Wire glass panels may be used in such doors. Outside windows or openings of every elevator shaft other than shipping doors shall have three vertical iron rods, painted red, equally spaced off in such window opening.

The space between the car of a passenger elevator and door ^{Space.} of each landing shall be not more than two inches.

No elevator shall be used in any building until the same is approved in writing by the superintendent.

In case any freight or passenger elevator is not constructed or furnished in compliance with this ordinance, or has become unsafe, the superintendent shall post a conspicuous warning and prohibition at each entrance to such elevator. It shall thereafter, until a new written permit is given by the superintendent, be a penal offence hereunder to operate the said elevator, or to remove or deface the said notice.

Freight elevator wells hereafter built on the line of the external wall of a building shall be so constructed that there shall be no recess in the outer wall along the whole line of the same, and that no more than two inches space shall be allowed between the platform of the car and the outer wall. The side of the platform and the line of the doorway shall be flush with the well-way, and the door openings from the said

elevator well into the building shall be placed back from the face of the well, so as to allow space enough for self-closing gates to operate between the door and the well opening. Outside openings to freight elevators shall be protected by self-closing slatted gates, "vertical" with spaces not wider than two inches between the slats.

Accidents.

If any accident shall occur to any elevator affecting life or limb or damaging any part of the machinery or running parts of the elevator, it shall be the duty of the person in charge, immediately, before any repairs are made, or any broken pieces are removed, to notify the superintendent of the accident before the elevator is operated again, so that the cause of the accident may be determined, and faulty construction remedied, and satisfactory repairs made.

Test of manufacturer.

All manufacturers of elevators shall be required to test, in the presence of an inspector, the safety devices of every elevator installed before the same is turned over to the owners for use, and the superintendent shall be notified by the manufacturer at least twenty-four hours before such test is made. An inspector may require a test of the safety device of any elevator if in his judgment the same is required.

Safeguards.

The superintendent may require additional safeguards on elevators, if in his judgment the condition, use or surroundings of the elevator demand them.

Inspected by superintendent.

The superintendent shall inspect all freight and passenger elevators twice each year, and no elevator shall be operated more than six months without a permit from the superintendent.

WOODEN BUILDINGS.

Foundation.

SECT. 39. Every wooden building hereafter erected shall have a foundation of concrete, rubble, block granite or brick, laid in mortar or other equally substantial material carried to the surface of the ground. Every such foundation, if of brick or concrete, shall be at least twelve inches thick; if of granite, shall be at least sixteen inches thick; if of rubble, shall be at least twenty inches thick at the bottom, tapering to sixteen inches at the top; and shall be laid at least four feet below any surface exposed to frost and upon solid ground or upon piles properly spaced.

Wooden buildings in construction.

Every wooden building hereafter erected or altered, the sills of which do not rest directly upon a foundation as above de-

scribed, but on an underpinning, shall have such underpinning made of brick, stone or concrete; and if the building is forty feet or less in height above the highest street level of its principal front, the underpinning, if of brick or concrete, shall be at least eight inches thick, and if the building is of greater height, the underpinning, if of brick or concrete, shall be at least twelve inches thick; every underpinning of stone shall be at least sixteen inches thick. Every wooden building hereafter erected or altered and used for a workshop or other like purpose, or as a temporary structure, may, if the superintendent approves, rest upon mud sills or blocks, or on piles.

Every wooden building exceeding fifteen feet in height here-
after erected or altered shall have all its parts of sufficient
strength to carry the weight of the superstructure; shall be
built with sills, posts, girts, studs and plates, properly framed,
mortised, tenoned, braced and pinned in each story, or with a
balloon frame; the posts and girts shall be not less than four
by six inches in cross-section and the studs shall be not more
than twenty inches apart. Wooden buildings hereafter erected
or altered for other purposes than habitation shall not be situated
within three feet of the line of the lot unless the side wall
on such line or lines be of brick or concrete built to the under-
side of the roof.

SECT. 40. No wooden building hereafter erected or altered Height.
to be used as a habitation shall be more than three stories in
height above the basement, nor more than fifty feet in height
above the street level, nor shall any part of said building,
except the eaves and cornice, be nearer than three feet to the
line of any adjoining lot, or nearer than six feet to any other
building on the same lot, unless the side wall of such adjoining
building is constructed as a solid wall of brick or concrete or
other incombustible material not less than eight inches thick,
and carried twelve inches above the roof.

All wooden buildings hereafter constructed to form a block Distance between
of two or more houses shall have a brick or concrete party
wall between adjoining houses, which shall be not less than
eight inches thick, ¹carried to the under-side of the roof boards,
according to the requirements of section 17 hereof, and if the
superintendent so directs, shall be carried twelve inches above
the roof, and shall be capped with a covering of stone, cement
or metal securely fastened to the masonry.¹

FLOORING DURING CONSTRUCTION.

SECT. 41. If, in the erection of an iron or steel frame building, the spaces between the girders or floor beams of a floor are not filled and covered by the permanent construction of such floors before another story is added to the building, such provision shall be made to protect the workmen from falling materials as shall be satisfactory to the superintendent.

ADDITIONAL REQUIREMENTS FOR TENEMENT HOUSES.

DEFINITIONS.

SECT. 42. Certain words are defined as follows:

Tenement house definition.

1. A tenement house is any house, building, structure or portion thereof, occupied, or adapted for occupation, as a dwelling by more than three families living independently of one another and doing their cooking upon the premises, or by more than two families above the first story so living and cooking. A family living in a tenement house may consist of one or more persons.

Court.

2. A court is an open unoccupied space other than a yard on the same lot with a building. An inner court is a court not extending to a street, or alley, or open passageway, or yard. An outer court is a court extending to a street, or alley, or open passageway, or yard. A vent court is an inner court for the lighting and ventilation of water-closets, bathrooms, public halls and stair halls only. An intake is a passageway connecting an inner court with a street, or alley, or open passageway, or yard.

Public hall.

3. A public hall is a hall, corridor or passageway not within an apartment.

Stair hall.

4. A stair hall includes the stairs, stair landings and those parts of the public hall through which it is necessary to pass in going from the entrance floor to the roof.

Apartment.

5. An apartment is a room, or suite of two or more rooms, occupied, or suitable for occupation, as a residence for one family.

Alcove

6. An alcove is a portion of an apartment separated from an adjoining room by a partition, with an opening between the two of an area equal to not over sixty per cent of the separating partition.

EXISTING BUILDINGS.

SECT. 43. Nothing herein contained unless herein otherwise provided shall be construed as requiring any alterations to be made of existing buildings which have been erected in conformity with the laws in force at the time the permits for same were granted.

FIRE-ESCAPES.

SECT. 44. In all tenement houses hereafter erected more than two stories in height above the basement or cellar there shall be provided at least two independent means of egress, accessible from each apartment above the first floor, one of which shall be one of the following means of egress for escape from fire: (1) An interior enclosed stairway as described in this section; or (2) an exterior iron fire-escape and stairs as hereinafter described; or (3) iron balconies connecting with adjoining houses, or with adjoining parts of the same house separated from each other by a brick partition wall in which there are no openings except such as are protected with fire-proof self-closing doors.

1. Interior fire-escapes may consist of wooden or other stairs. Such stairs shall extend from the top floor to the level of the entrance floor or basement, where they shall open into either an outer or an inner court or a yard or a public or private way. These stairs and entrance halls connecting therewith shall be enclosed in the basement by brick walls at least eight inches thick, and the stairs and entrance halls connecting therewith above the basement shall be enclosed with fireproof partitions to the under side of the roof boards and shall have on each floor, in a public hall accessible from each apartment, a fireproof self-closing door and fireproof frame; such staircase to be provided with a ventilating skylight at least nine square feet in area. The soffits of the stairs and all landings within staircase enclosure, the ceiling of the entrance halls and the basement ceiling under same, if they are of wood, shall be plastered on metal lathing. No lock shall be placed on any skylight, but it may be fastened on the inside by movable bolts or hooks.

2. Exterior fire-escapes shall be of iron, with iron grated floor, and capable of bearing a load of seventy pounds per square foot. The stair treads shall be of iron, and the pitch of the stairs shall not exceed forty-five degrees.

Balconies.

Balconies shall be at least three feet four inches wide, and the stairs at least twenty inches. There shall be a landing at the foot of each flight, and at the level of the second floor there shall be cantilever ladders, or other safe means for reaching the ground. The rails on horizontal balconies and on the stairs shall be at least two feet ten inches high at all points.

3. Balconies connecting adjoining houses, or adjoining parts of the same house as described above, shall be not less than thirty inches wide and capable of sustaining a load of seventy pounds per square foot. Railings shall be not less than two feet ten inches high, and shall be of iron.

All exterior fire-escapes and balconies shall be built in accordance with specifications furnished by the superintendent.

BULKHEADS AND SCUTTLES.**Dimension and position.**

SECT. 45. Every tenement house hereafter erected shall have in the roof a bulkhead or scuttle. No scuttle shall be less in size than two feet by three feet, and all scuttles shall be covered on the outside with metal, and shall be provided with stairs or stationary ladders leading thereto and easily accessible to all tenants of the building, and kept free from encumbrance, and ready for use at all times. All scuttles required in this ordinance shall be in the ceiling of the public hall on the top floor, and access through the scuttle to the roof shall be direct and uninterrupted. Scuttles shall be hinged so as to readily open. Every bulkhead hereafter constructed in a tenement house shall have stairs with a guide or hand rail leading to the roof, and shall be kept free from encumbrance and ready for use at all times. No lock shall be placed on any skylight, scuttle or bulkhead door, but either may be fastened on the inside by movable bolts or hooks. All key-locks on scuttles and on bulkhead doors shall be removed. No stairway leading to the roof in a tenement shall be removed.

STAIR HALLS—HOW ENCLOSED.

SECT. 46. In second and third class tenement houses hereafter erected, the stair halls other than those about interior fire-escapes described in section 44 may be enclosed with wooden stud partitions plastered on wooden laths.

In third-class tenement houses hereafter erected, the in-

terior fire-escapes described in section 44 may be enclosed with wooden stud partitions if such partitions are covered on both sides with metal laths or with good quality plaster boards not less than one-half inch in thickness, made of plaster and strong fiber, and all joints made true and well pointed; and provided that the space between the studs is filled in with brick and mortar or other incombustible material to the height of the floor beams.

STAIRS.

SECT. 47. Every tenement house hereafter erected shall have at least one stairway extending from the entrance floor to the top story, in addition to the interior fire-escape, and every tenement house hereafter erected containing more than one hundred rooms above the first floor, shall have an additional separate stairway for every additional one hundred rooms or fraction thereof. Stairs shall be at least three feet wide between the wall and the stair rail, and shall have proper railing.

ENTRANCE TO STAIRWAYS.

SECT. 48. Each stairway shall have an entrance on the entrance floor from a street or alley or open passageway or from an outer court, or from an inner court which connects directly with a street or alley or open passageway.

ENTRANCE HALLS.

SECT. 49. All entrance halls in every tenement house hereafter erected shall be at least three feet six inches wide in the clear, from the entrance up to and including the stair enclosure, and beyond this point at least three feet wide in the clear. If such entrance hall is the only entrance to more than one stairway, that portion of said hall between the entrance and the stairway shall be increased at least eighteen inches in width in every part for each additional stairway.

PARTITIONS, CONSTRUCTION OF.

SECT. 50. In all tenement houses of the second class hereafter erected, all bearing partitions shall run through the

wooden floor beams and rest upon the cap of the partition below, or upon a girder or wall, and shall have the studding filled in solid between the uprights to the depth of the floor beams with incombustible materials. Fire stopping in third-class tenement houses may be of wood.

WOODEN TENEMENT HOUSES.

SECT. 51. Outside of the fire limit districts, tenement houses not exceeding three stories in height above the basement, nor two thousand square feet in area, may be erected of wood. No wooden tenement house shall be increased in height so as to exceed three stories above the basement or cellar.

Two separate houses may have one common entrance¹ and stairway, provided the walls, floor and ceiling of said entrance¹ and stairway are fireproofed to the satisfaction of the superintendent.

SHAFTS.

SECT. 52. The skylight or roof covering every vent shaft in a tenement house shall be raised at all points at least one foot above the top of the walls of such vent shaft, and the space between the top of said walls and the skylight shall remain at all points open and unobstructed except for such supports essential to the stability of the skylight, as may be approved by the superintendent.

PORTIONS USED FOR MERCANTILE PURPOSES, ETC.

SECT. 53. If any portion of a tenement house is to be used for mercantile manufacturing or storage purposes, the walls and ceilings surrounding the areas so used shall be metal lathed or fire stopped to the satisfaction of the superintendent.

SECT. 54. The superintendent may require that all transoms and windows opening into halls from any part of a tenement house where paint, oil, spirituous liquors or drugs are stored for the purpose of sale or otherwise, shall be glazed with wire glass, or that they shall be removed and closed up as solidly as the rest of the wall.

Transoms and windows.

¹ Amended May 19, 1910.

LIGHT AND VENTILATION.

YARDS.

SECT. 55. The requirements for yards hereinafter provided shall be deemed sufficient for all tenement houses.

Except in those cases hereinafter provided for, there shall be, behind every tenement house hereafter erected, a yard extending across the entire width of the lot, and at every point open from the ground to the sky unobstructed, except by fire-escapes or unenclosed outside stairs.

The depth of said yard shall be measured from the extreme rear wall of the house to the rear line of the lot, and at right angles to said line, except that where there is an alley or open passageway in the rear of the lot the depth of the yard may be measured to the middle of said alley or open passageway. On an irregular lot of several depths where there is more than one rear line to the lot, such yard may extend across the entire width of the lot in sections, provided that each section of the yard is in every part and at every point of the minimum depth hereinafter prescribed. Where the side lines of a lot converge toward the rear, the depth of the yard shall be such as to give it an area equal to the greatest width of the yard multiplied by the depth hereinafter prescribed.

Except as hereafter provided, the depth of the yard behind every tenement house hereafter erected fifty feet in height or less shall be not less than ten feet in very part. All yards without exception shall be increased in depth at least one foot for every additional ten feet of height of the building, or fraction thereof, above fifty feet.

¹Except in those cases hereinafter provided for, when a tenement house hereafter erected does not front upon a street, a public alley, or a passageway, not less than fifteen feet wide, the requirements in this section as to yards shall apply to the front of such tenement house as well as to the rear. Neither the yard behind one tenement house nor any part thereof shall be deemed to satisfy in whole or in part the requirement of a yard in front of another tenement house.

¹ Amended May 19, 1910.

Provided, however, that in all cases where a yard is required by this ordinance, the building above the first story shall not cover more than seventy-five per cent, of the total lot area, unless a special permit shall have been granted therefor by the superintendent and unanimously approved by the board of appeal. If the lot upon which the building stands extends through to an open alley or passage in the rear, half of the area of said passage opposite the rear line of the lot may be included as a part of the total lot area in estimating the size of the building.

CASES IN WHICH NO YARD SHALL BE REQUIRED.

SECT. 56. No yard shall be required behind a tenement house hereafter erected upon a lot which abuts at the rear upon a railroad right of way, a cemetery or a public park.

No yard shall be required behind a tenement house hereafter erected upon a lot ¹bounded on two or more sides by streets or by streets, alleys or open passageways, not less than twelve feet in width, or by such streets, alleys and passageways and a railroad right of way, a cemetery or a public park.

²Where a block of tenement houses is so designed that an adequate distribution of light and air is obtained by means of open courts, the arrangements of yards and courts may be varied from the requirements of this ordinance, provided, however, that the width of the yard behind the whole block at the rear of the lot shall in no case be less than that required by this ordinance for a single tenement house, and provided further, that the whole structure or block shall not cover more than 75 per cent. of the total area of the lot.

No yard behind
a tenement house,
etc.

No yard shall be required behind a tenement house hereafter erected upon a lot running through from street to street or from a street to an alley or open passageway not less than twelve feet in width, provided that when a lot runs through from a street to a passageway less than twelve feet wide, the building shall be set back so that the distance from the center of the passageway to the rear line of the building shall be not less than that prescribed in the previous section for yards.

The rear yard herein provided for may be occupied over the whole area for mercantile or manufacturing purposes

¹ Amended May 19, 1909.

² Amended May 1, 1910.

through the height of the basement and first story, not exceeding fourteen feet above the first floor.

COURTS.

SECT. 57. No court of a tenement house hereafter erected shall be covered by a roof or skylight, but every such court shall be at every point open to the sky unobstructed. All courts, except for fire-escapes, may start at the second tier of beams. ^{Skylight.}

OUTER COURTS.

SECT. 58. The width of outer courts for tenement houses fifty feet or less in height shall be not less than six feet in every part; and for every ten feet of increase or fraction thereof in height of such tenement houses, such width shall be increased one foot, throughout the whole length of the court. ^{Measurements.}

Wherever an outer court changes its initial horizontal direction, or wherever any part of such court extends in a direction so as not to receive direct light from the street or yard, or from an alley, or open passageway not less than twelve feet in width, the length of that part of the court shall never exceed its width, such length to be measured from the point at which the change of direction begins.

INNER COURTS.

SECT. 59. The provisions of this section shall apply only to tenement houses hereafter erected. Where the building does not exceed fifty feet in height, the least width of the court shall be not less than eight feet, and the area of the court shall be not less than one hundred and twenty-eight square feet. For every ten feet or fraction thereof of increase in the height of the building above fifty feet the minimum width of such inner courts shall be increased by one foot, and the area shall be increased proportionally.

VENT COURTS.

SECT. 60. Inner courts used solely for the lighting and ventilation of water-closets, bathrooms, public halls or stair halls, or for interior fire-escapes, may be constructed in any tenement house, and shall be not less than fifteen square feet

in area, nor less than three feet in the least horizontal dimension for buildings fifty feet or less in height. For every increase of ten feet or fraction thereof in the height of such buildings, the least dimension shall be increased by one foot, and the area by not less than eight square feet.

INTAKES.

Dimensions and arrangement.

SECT. 61. Every inner court in a tenement house hereafter erected shall be provided with one or more horizontal intakes at the bottom. Such intakes, in vent courts, shall not be less than four square feet in area, so arranged as to be easily cleaned; in other inner courts they shall be not less than three feet wide and seven feet high, and there shall be at least two open grill doors, containing not less than fifteen square feet of unobstructed openings, one at the inner court and the other at the street or yard, as the case may be.

ANGLES OF COURTS.

Cutting of angles, etc.

SECT. 62. Nothing contained in the foregoing sections concerning outer and inner courts shall be construed as prohibiting cutting off the angles of such courts by diagonal walls, provided the running length of said walls does not exceed six feet, or as prohibiting the placing of windows in such walls.

BUILDINGS ON THE SAME LOT WITH TENEMENT HOUSES.

SECT. 63. Except as otherwise provided in section 56, no tenement house shall hereafter be so enlarged or its lot so diminished, and no building of any kind shall be hereafter so placed upon the same lot with a tenement house, as to decrease the minimum depth of yards or the minimum size of courts or yards prescribed in this act for tenement houses hereafter erected.

ROOMS, LIGHTING AND VENTILATION.

Windows.

SECT. 64. In every tenement house hereafter erected there shall be in each room, except water-closet compartments and bathrooms, windows with movable sashes of a total area of at least one-eighth of the floor area of the room, opening directly on a street or public alley or open passageway not less than fifteen feet wide, or upon a yard or court of the dimensions hereinbefore specified, or upon a railroad right

of way, cemetery or public park. The top of at least one window shall be not less than seven feet above the floor, except in rooms on the top floor, where the top of at least one window shall not be less than five feet six inches above the floor.

ALCOVES.

SECT. 65. Every alcove in every tenement house hereafter erected shall be provided with an opening into a room, such opening to be equal in area to sixty per cent. of that side of the alcove in which the opening is located. *Openings into rooms.*

No portion of a room in any tenement house shall be partitioned off so as to form an alcove not conforming to the provisions of this ordinance.

ROOMS, SIZE OF.

SECT. 66. In every tenement house hereafter erected, all dimensions. rooms, except water-closet compartments and bathrooms, shall be of the following minimum sizes: In each apartment there shall be at least one room containing not less than one hundred and twenty square feet of floor area and provided with a chimney flue and thimble, except where said room is furnished with heat from a central heating apparatus. Each room above the basement shall be in every part not less than eight and one-half feet high from the finished floor to the finished ceiling, provided that only one-half of an attic room need be eight and one-half feet high. No bedroom above the basement shall be of an area less than seventy square feet, except one in each apartment, which may be not less than sixty-three square feet.

PUBLIC HALLS.

SECT. 67. Except as otherwise provided in section 68, in windows. every tenement house hereafter erected, every public hall shall have at least one window opening directly upon a street, a public alley or open passageway not less than ten feet in width, a railroad right of way, a cemetery, or a public park, or upon a yard or court or a vent court as provided in section 60.

Any part of a hall which is shut off from any other part *separate hall.* of said hall by a door or doors shall be deemed a separate hall within the meaning of this section.

WINDOWS FOR STAIR HALLS, SIZE OF.

Dimensions and position.

SECT. 68. In every tenement house hereafter erected the aggregate area of windows to light or ventilate stair halls on each floor shall be at least twelve square feet; provided, however, that when there shall be, within the space enclosed by the stairway and its landings, from the second story upward, an open area for light and ventilation whose least horizontal dimension shall be in no case less than three feet, then the windows required in section 67 may be omitted, in which case there shall be in the roof, directly over the stair-well, a ventilating skylight provided with ridge ventilators, having a minimum opening of forty square inches, or else such skylight shall be provided with fixed or movable louvres. The glazed roof of the skylight shall be not less than twenty square feet in area.

Additional stairs.

The conditions herein contained, which apply to public stairs and halls, shall not apply to prohibit or restrict the construction of additional stairs and halls for service purposes.

PRIVACY.

SECT. 69. In every apartment of four or more rooms in a tenement house hereafter erected, at least one water-closet compartment shall be accessible without passing through any bedroom.

BASEMENT IN TENEMENT HOUSES.

No basement occupied for living purposes.

SECT. 70. In tenement houses no room in the cellar or basement shall be occupied for living purposes, unless all of the following conditions are complied with:

Size.

1. Such room shall be at least eight feet high in every part from the floor to the ceiling, and shall contain not less than ninety feet floor area.

Privacy.

2. There shall be appurtenant to such room the use of a water-closet, separate therefrom, constructed and arranged as required by section 69.

Windows.

3. Such room shall have a window or windows opening upon the street, an alley or open passageway not less than fifteen feet in width, a railroad right of way, cemetery or public park or upon a yard or court. The total area of windows in such room shall be at least one-eighth of the floor area of the room, and one-half of the sash shall be made to

open full width, and the top of each window shall be within six inches of the ceiling.

4. The floor of such rooms shall be damp-proof and ^{Floor.} water-proof, and all walls surrounding such room shall be damp-proof.

WATER-CLOSETS IN TENEMENT HOUSES HEREAFTER ERECTED.

SECT. 71. In every tenement house hereafter erected there ^{Window.} shall be a separate water-closet in a separate compartment within each apartment of four or more rooms. Such compartment shall have a window, opening directly, or through a straight horizontal shaft of the same dimensions as the window and not more than four feet long, upon a street, a railroad right of way, cemetery or public park or a yard or alley or open passageway not less than four feet wide, or upon a vent court or upon a covered passageway not more than twenty feet long and at least twenty feet wide, and twenty feet high. Every such window shall be at least one foot by three feet between stop beads; and the whole window shall be made so as to open readily. When, however, such water-closet compartment is located on the top floor and is lighted and ventilated by a skylight over it, no window shall be necessary, provided that the roof of such skylight contains at least three square feet of glazed surface and is arranged so as to open readily. Nothing in this section in regard to the ventilation of water-closet compartments shall apply to water-closet hereafter placed in an existing tenement house, to replace a defective fixture in the same position and situation. Every water-closet compartment in any tenement house shall be provided with proper means of lighting the same at night. No plumbing fixtures shall be enclosed with any woodwork.

^{Ventilation.}

LIGHTING AND VENTILATION OF EXISTING TENEMENT HOUSES.

SECT. 72. The superintendent may require rooms in existing tenement houses to be provided with adequate lighting and ventilation, not exceeding the minimum requirements of this ordinance. No tenement house shall be so altered as to reduce the provisions for the light and ventilation of any room or alcove or public hall or stair hall below the requirements of this ordinance.

SKYLIGHTS.

Position.

SECT. 73. Where the public hall in an existing tenement house is not provided with windows opening as provided in section 67, and where there is not a stairwell as provided in section 68, all doors leading from such public hall into apartments shall be provided with translucent glass panels of an area of not less than four square feet for each door; or such public hall may be lighted by a window or windows at the end thereof with the plane of the window at right angles to the axis of the hall, said window opening upon the street, a railroad right of way, cemetery, public park or an alley or open passageway at least ten feet in width, or upon a yard or court of the dimensions hereinbefore provided. There shall be no flights of stairs of more than fifteen or less than three steps between landings.

WATER SUPPLY.

Running water

SECT. 74. In every tenement house hereafter erected there shall be in each apartment a proper unenclosed sink with running water.

DRAINAGE OF COURTS AND YARDS.

Proper grading.

SECT. 75. In every tenement house hereafter erected or altered, all courts, areas, intakes and yards shall be properly graded, drained or otherwise surfaced to the satisfaction of the superintendent.

RECEPTACLES FOR GARBAGE AND ASHES.

Board of health.

SECT. 76. Receptacles or conveyors for ashes, rubbish, garbage, refuse or other matter shall be subject to the regulations of the board of health.

THEATERS.

DEFINITION.

SECT. 77. Every building hereafter erected so as to contain an audience hall and a stage, with curtain, movable or shifting scenery, and machinery, adapted for the giving of plays, operas, spectacles or similar forms of entertainment, and of a size to provide seats for more than five hundred spectators, shall be a theater within the meaning of this

ordinance. No existing building shall be altered and used as a theater, unless it conforms to the provision of this ordinance for a new theater.

CONSTRUCTION.

SECT. 78. Every theater hereafter built to contain an audience of more than a thousand people or with more than one gallery or balcony above the main floor, and every theater, the stage of which is more than five feet above the level of the principal street upon which the theater abuts, shall be built of fireproof construction throughout, except that the floor boards may be of wood, and the steel work of the stage, of the fly galleries, and of the rigging loft need not be fireproofed.

Theaters seating less than one thousand persons, of which the stage is not over five feet above the level of the principal street, may be of second-class construction, but no theater nor place of amusement shall be built of third-class construction.

OPEN COURTS.

SECT. 79. Every theater built in a block not on a corner shall have an open court or passageway on both sides extending from the proscenium line to the line of the street on the front, or in case the building abuts on a street both in front and rear, these passages may extend from the line of the front of the auditorium to the line of rear street. These passages shall be at least six feet wide throughout their length and shall not be closed by any locked gate or doorway. They shall immediately adjoin the auditorium, or a side passage or lobby directly connected therewith. These passages shall be open to the sky opposite the whole depth of the auditorium, but may be carried out to the street front or rear through passages enclosed by brick walls or other fireproof material equally efficient, and covered by a solid brick vault at least eight inches thick, each passage to be not less than six feet wide and ten feet high throughout.

SECT. 80. Every theater built upon the corner of two streets shall have one inner court on the side of the building away from the side street, such court to be of the same description as the courts provided for in the preceding paragraph; but if the theater is so planned that the auditorium is

carried out on two sides to the lines of a public or private street or way, or is separated from such lines only by side passages or lobbies, both courts may be omitted.

STORES, ETC.

SECT. 81. Nothing in this ordinance shall be construed to prohibit the use of any part of a theater building for stores, offices or for habitation, provided that the parts so used shall be built with exits to the street entirely distinct from the rest of the building, and shall be separated from the rest of the building by solid partitions or walls, without any openings in the same.

FLOOR LEVELS.

SECT. 82. In all theaters the entrances shall be not more than one step above the level of the sidewalk of the main street.

PROSCENIUM WALL.

Construction and dimensions.

SECT. 83. The stage of every theater shall be separated from the auditorium by a wall of fireproof construction, which wall shall extend the whole width of the auditorium and the whole height to the roof of the portion occupied by the stage. There shall be no openings through this wall between the stage and the auditorium except the curtain opening, one doorway each side behind the boxes, and one doorway which shall be located at or below the level of the stage. The doorways shall not exceed twenty-one superficial feet each, and shall have standard fire doors hung in a manner satisfactory to the superintendent. The finish or decorative features around the curtain opening of every theater shall be of fireproof material.

Materials.

In all buildings of second-class construction the proscenium wall must be of brick laid in mortar composed of at least one-third cement to two-thirds lime, must be twenty inches thick in the basement, not less than sixteen inches thick to the height of forty feet above the stage level, and not less than twelve inches thick for remaining height. In a building of first-class construction, this partition may be constructed of any of the approved fireproof materials provided for in this ordinance.

CURTAIN.

SECT. 84. The proscenium or curtain opening of every theater shall have a fire-resisting curtain reinforced by wire netting, or otherwise strengthened. If of iron, or similar heavy material, and made to lower from the top, it shall be so arranged as to be stopped securely at a height of seven feet above the stage floor, the remaining opening being closed by a curtain or valance of fire-resisting fabric.

STAGE FLOOR.

SECT. 85. In theaters of first-class construction, the part of the stage floor, usually equal to the width of the proscenium opening, used in working scenery, traps or other mechanical apparatus, may be of wood, and no flooring used thereon shall be less than one and one-eighth inches in thickness.

VENTILATORS.

SECT. 86. There shall be one or more ventilators near the center, and above the highest part of the stage of every theater, of a combined area of opening satisfactory to the superintendent, and not less than one-tenth of the area of the undivided floor space behind the curtain at the stage floor level. The openings in every such ventilator shall be closed by valves or louvres so counterbalanced as to open automatically, which shall be kept closed when not in use, by a fusible link and cord reaching to the prompter's desk, and readily operated therefrom. Such cord shall be of combustible material and so arranged that if it is severed the ventilator will open automatically.

Skylight coverings for ventilators shall have sheet metal frames set with double thick glass, each pane thereof measuring not less than three hundred square inches, or shall be protected with wire glass. If wire glass is not used, a suitable wire netting shall be placed immediately beneath the glass, but above the ventilator opening. Illuminating fixtures over the auditorium shall be suspended and secured in a manner approved by the superintendent.

Glass on illuminating fixtures over the auditorium shall be secured from danger of falling as the superintendent shall require, but in no case shall any glass more than six inches in diameter or length be hung over the auditorium unless

protected from falling by a wire netting or similar device satisfactory to the superintendent.

SEATS IN AUDITORIUM.

Position of seats.

SECT. 87. All seats in the auditorium excepting those contained in boxes shall be spaced not less than thirty inches from back to back, measured in a horizontal direction, and shall be firmly secured to the floor. No seat in the auditorium shall have more than six seats intervening between it and an aisle on either side.

Platforms for seats.

The platforms for seats in balconies and galleries shall nowhere have a greater rise than twenty-one inches, nor be less than thirty inches from back to back.

AISLES.

SECT. 88. All aisles on the respective floors in the auditorium having seats on both sides of the same, shall be not less than thirty inches wide where they begin and shall be increased in width toward the exits in the ratio of one inch to five running feet. Aisles having seats on one side only shall be not less than two feet wide at their beginning and shall increase in width, the same as aisles having seats on both sides.

CHANGES IN LEVEL.

SECT. 89. All changes in the levels of the floors of such buildings, except under stairways, from story to story, and except the necessary steps in galleries and balconies rising toward the exits, shall be made by inclines of no steeper gradient than two in ten within the auditorium and rising toward the exits, and one in ten for all others.

LOBBIES.

SECT. 90. Preceding each division of the theater there shall be foyers, lobbies, corridors or passages, the aggregate capacity of which on each floor or gallery shall be sufficient to contain the whole number to be accommodated on such floor or gallery in the ratio of one square foot of floor room for each person.

STAGE DOOR.

SECT. 91. There shall be not less than two exit doors, each not less than three feet in width, located as far apart as practicable, and opening directly upon a street, alley, court, courtway or passage leading to a public thoroughfare.

ROOM EXITS.

SECT. 92. All rooms in theaters for the use of persons employed therein shall have passages to at least two independent means of exit.

DOORS TO OPEN OUTWARD.

SECT. 93. All doors of exit or entrance shall open outward, and shall be hung so as to swing in such a manner as not to become an obstruction in a passage or corridor, and no such doors shall be fastened so as to be inoperative when the building is occupied by an audience.

FALSE DOORS.

SECT. 94. No mirrors shall be so placed as to give the ~~No mirrors.~~ appearance of a doorway or exit, hallway or corridor, nor shall there be any false doors or windows.

MAIN FLOOR AND FIRST GALLERY EXITS.

SECT. 95. A common exit may serve for the main floor of the auditorium and the first gallery, provided that its capacity be equal to the aggregate capacity of the outlets from the main floor and the said gallery; and provided that the lowermost run of any exit leading from a gallery shall not open directly at right angles with the central axis of a common exit unless there is a clear space or landing of at least one and one-quarter times the width of the exit between the foot of such exit and such center line or nearest exit doorway.

EXITS.

SECT. 96. Two distinct and separate exits shall be provided for each gallery and balcony above the main floor; and the same shall be located on opposite sides of the galleries.

All gallery or balcony exits shall start with a width of not less than three feet at the uppermost gallery.

Exits from balconies and galleries shall not communicate with the basement or cellar.

AGGREGATE WIDTH OF EXITS.

SECT. 97. The aggregate width of all the exits previously described shall be estimated on a basis of not less than twenty inches for every one hundred persons for whom seats are provided in the sections of the auditorium served by the respective exits.

EMERGENCY EXITS.

Dimensions.

SECT. 97. In addition to the exits previously described there shall be one exit from each side of each gallery, balcony and main floor of auditorium, at least five feet wide, leading to exterior balconies not less than four feet wide and twenty feet long on each side of the auditorium. From such balconies there shall be staircases extending to the ground level, which may be counter-weighted, with risers of not over eight and one-half inches and treads of not less than nine and one-half inches, exclusive of nosing. The aggregate width of these emergency stairs shall be not less than ten inches for every one hundred people served thereby, no single stairs being less than thirty inches wide. If counterweighted, these stairs shall be lowered during all performances.

Where such stairs are in an interior court, each run shall be covered by a light awning of iron.

Fireproof partition.

Nothing herein shall prohibit the building of emergency stairs and exits inside the walls of the building, provided that they are surrounded by a fireproof partition not less than four inches thick separating the exits and stairways from the audience room or auditorium.

ADDITIONAL REQUIREMENTS.

SECT. 99. The superintendent shall have power to require a greater number or capacity of exits than is herein prescribed.

Fire-escapes and exits.

In every theater there shall be over every exit, on the inside, and over every opening to a fire-escape, on the inside, an illuminated sign, bearing the word "exit" or "fire-escape," respectively, in letters not less than four inches high. The lights for the exit signs, passages, stairs, lobbies, auditoriums, rear of auditoriums, balconies galleries for the balconies, and stairs outside the building, shall be so arranged that they can

be turned on or off independently of the means provided on the stage or in any part of the building in the rear of the proscenium wall. Every exit sign shall be kept illuminated ^{Lights.} and every outside balcony and fire escape shall be kept well lighted during the performance, except outside exits during a performance before sunset.

Plans showing the exits and stairways shall be legibly printed so as to occupy a full page of every program or play bill.

STAIRS.

SECT. 100. The cut of the stair stringers shall not exceed seven and one-half inches rise, nor be less than ten and one-half inches tread.

LANDINGS OF STAIRS.

SECT. 101. Every landing shall be at least four feet wide. ^{Construction.} When straight stairs return directly on themselves, a landing of the full width of both flights, without any steps, shall be provided. The outer line of landings shall be curved to a radius of not less than two feet to avoid square angles. Stairs turning at an angle shall have a proper landing without winders introduced at the turn. No door shall open immediately upon a flight of stairs, but a landing at least two feet wider than the width of the floor opening shall be provided between such stairs and such door. When two side flights connect with one main flight, no winders shall be introduced, and the width of the main flight shall be at least equal to the aggregate width of the side flights.

HAND-RAILS.

SECT. 102. All enclosed stairways shall have, on both sides, strong hand-rails, firmly secured to the wall, about three inches distant therefrom and about three feet high above the stairs.

All stairways eight feet and over in width shall be provided with a central rail of metal or hardwood, not less than two inches in diameter, placed at a height of about three feet above the center of the treads, supported on wrought metal or brass standards of sufficient strength, securely bolted to the treads or risers of the stairs; and at the head of each flight of stairs, and on each side of the landing, the post or standard shall be

at least six feet in height, and the rail shall be secured to the post.

MEASUREMENTS FOR WIDTH OF STAIRS.

No winding stairs. SECT. 103. The width of all stairs shall be measured in the clear between the hand-rails.

No winding or circular stairs shall be permitted.

RADIATORS FORBIDDEN IN PASSAGEWAYS.

SECT. 104. No coil or radiator or floor register shall be placed in any aisle or passageway used as an exit; but all such coils and radiators may be placed in recesses formed in the wall or partition to receive the same.

No boiler furnace. No boiler furnace, engine or heating apparatus, except steam, hot-water or hot-air pipes or radiators, shall be located under the auditorium or under any passage or stairway or exit of any theater.

SPRINKLERS AND STANDPIPES.

Position of pipes. There shall be at least two two-inch high-service standpipes on the stage of every theater, with ample provision of hose nozzles at each level of the stage on each side, and the water shall be kept turned on during the occupation of the building by an audience. The said pipes shall in no case be sealed, and shall have two gates, one above the other, with a proper test or waste valve; the lower gate to be kept open at all times. The proscenium opening of every theater shall be provided with a two and one-half inch perforated iron pipe, or equivalent equipment of automatic or open sprinklers, so constructed as to form, when in operation, a complete water curtain for the whole proscenium opening; and there shall be for the rest of the stage a complete system of fire apparatus and perforated iron pipes, automatic or open sprinklers. Such pipes or sprinklers shall be supplied with water by high-pressure service and shall be at all times ready for use.

PLACES OF PUBLIC ASSEMBLY.

Fireproof construction.

SECT. 105. Every building hereafter erected as a place of public worship or with a hall or assembly room to contain an audience of more than a thousand persons, shall be of fire-

proof construction throughout, except the roof, which may be of second-class construction.

The capacity of a hall or assembly room shall be estimated ^{Capacity.} on the basis of eight square feet for each person.

No existing building shall be altered to contain a hall or ^{Alterations.} assembly room exceeding the foregoing dimensions, unless the whole building as altered shall conform to the provisions of this ordinance.

Every hall, auditorium or room of every building hereafter ^{Ventilation.} erected for or converted to use as a schoolhouse, factory, theater or place of public assembly or entertainment, shall have in continuous operation while occupied a system of ventilation so contrived as to provide fifty cubic feet per minute of outer air for each light other than electric light and for each occupant.

MOVING-PICTURE SHOWS.

SECT. 106. All moving-picture shows shall be subject to the provisions of chapter 176 and of chapter 437 of the acts of the year nineteen hundred and five, and of any amendments thereof or additions thereto now or hereafter made.

EXITS, ETC.

SECT. 107. Every building hereafter erected containing a hall or assembly room shall conform to all the aforesaid requirements as to exits, stairways, exit lights, aisles and seats which apply to theaters, subject to such exceptions as the board of appeal shall approve.

ROOF GARDENS.

SECT. 108. Nothing herein contained shall prevent the ^{Fireproof materials.} placing of a roof garden, art gallery or rooms for similar purposes above a theater, provided the floor of the same forming the roof over such theater shall be constructed of fireproof materials, and shall have no covering boards or sleepers of wood. Every roof over such garden or other rooms shall have all supports and rafters of steel, and, if covered, shall be covered with glass or fireproof material, or both.

EXITS FROM ROOF GARDENS.

SECT. 109. Exits from roof gardens may communicate with stairs leading from the auditorium of the theater, but

they shall be at least four in number, not less than four feet six inches wide, and distinct and separate from each other from roof to street.

SUMMER THEATERS.

Construction.

SECT. 110. Summer theatres, if built without the building limits, and located thirty feet distant from any other building or structure or adjoining lot lines, and of no greater seating capacity than seven hundred and fifty persons, and not more than one story high, without balconies or galleries, may be constructed as follows:

The auditorium without a cellar or basement, with open sides of double the number of exits as hereinbefore provided, opening directly into the surrounding courts or gardens at the grade level, and the adjoining dressing rooms, may be of wooden construction, but the stage shall be enclosed in brick walls not less than twelve inches thick, or shall be plastered on metal lathing throughout; provided that the openings leading to the dressing rooms shall be provided with fire doors.

Otherwise, all protective features and arrangements shall comply with all provisions for theaters.

EXISTING THEATERS.

Alterations.

SECT. 111. Alterations of existing theaters and places of public assembly shall be subject to such regulations as the superintendent shall prescribe in each case, not inconsistent with the provisions of this ordinance for new structures.

PLUMBING.

DEFINITION OF TERMS.

SECT. 112. The following terms shall have the meanings respectively assigned to them:

Repairs of leaks. "Repair of leaks" shall mean such repairs as are necessary to protect property, but do not involve any extensive change of construction.

X branches. "X branches" shall mean a branch at sufficient angle to direct the flow and prevent backing up.

Air pipes. "Air pipes" or "back air pipes" shall mean air pipes from traps that extend toward the main soil pipe or the outer air and connect with not more than three traps.

"Vent pipes" shall mean general lines of back air pipes connecting with more than three fixtures. ^{Vent pipes.}

"Drain" shall mean that part of the drainage system of a building extending through basement or cellar to sewer. ^{Drain.}

"Soil pipe" shall mean that part of the drainage system of a building, of four inches or more internal diameter, between basement or cellar and the highest fixture in the building. ^{Soil pipe.}

"Ventilation pipe" shall mean the extension of the soil pipe from the highest fixture to and through the roof. ^{Ventilation pipe.}

"Surface drain" shall mean a connection with drain in the basement to allow egress of surface water or overflow. ^{Surface drain.}

"Fixture" shall mean any receptacle or outlet placed for the purpose of disposing of waste water or other matter, and connecting with the waste, soil or drain pipe of a building. ^{Fixture.}

Except as otherwise distinctly provided, sections 113 to 124 inclusive shall apply only to alterations and to new plumbing work.

REGISTRATION.

SECT. 113. No plumber shall engage in or work at the business of plumbing unless he shall have first registered his name and place of business in the office of the superintendent, and no person shall by display of sign or plumbing material, or otherwise, advertise as a plumber unless he shall have been registered or licensed as such. Every master plumber shall conspicuously display his certificate or license within his place of business. Notice of any change in the place of business of a registered or licensed master plumber shall be immediately given to the superintendent. ^{Plumbers}

NOTICES.

SECT. 114. Every plumber, before doing any work in a building, shall, except in the case of repair of leaks, file at the office of the superintendent, upon blanks for that purpose, an application for a permit, and if required by the superintendent a plan or sketch of the work to be performed; and no such work shall be done in any building without a written permit from the superintendent. ^{Application for permits.}

CONNECTION WITH SEWER OR DRAIN.

SECT. 115. The plumbing of every building shall be separately and independently connected outside the building with ^{Plumbing in buildings.}

the public sewer, if such sewer is provided, or with a proper and sufficient private drain or sewer laid outside of the building, and if a sewer is not accessible, with a proper cesspool. Several buildings may have a common sewer connection if such connection is approved by the superintendent.

INSPECTION AND TESTS.

Pipes or other fixtures.

SECT. 116. Pipes or other fixtures shall not be covered or concealed from view until approved by the superintendent, who shall examine or test the same within two working days after notice that they are ready for inspection.

Test of traps.

Plumbing shall not be used unless, when roughed in, the wastes, vents and back air pipes and traps are first tested by water or sufficient air pressure in the presence of the inspector, when such testing is practicable.

SOIL AND WASTE PIPES AND TRAPS.

Separate trap.

SECT. 117. The waste pipe of every independent sink, basin, bathtub, water-closet, slop-hopper, urinal or other fixture shall be furnished with a separate trap, which shall be placed as near as practicable to the fixture which it serves. A sink and set of three wash-trays or a bathtub and a basin, when they adjoin, may be connected to the house drain through one five-inch round trap, when the outlets are not over three feet six inches apart. The outlet from each fixture shall enter the trap separately. Not more than four wash-bowls or sinks in a continuous line may be connected to the house drain through one five-inch round trap. Two water-closets or two other traps on the same level with not more than three feet of waste pipe connecting with the soil or waste pipe not more than eighteen inches below the top water line of the trap, shall not require other vent than the continuation of the soil or waste pipe full size for its whole length. Lateral branches of soil or waste pipe, if more than twenty feet in length, shall be extended through the roof in a size prescribed for the ventilation of the attached trap, or be vented into a main vent line. All connections on lead waste and back air pipes and of lead pipes to brass ferrules and soldering nipples shall be full size wiped soldered branch, round or flanged joints. Soil and waste pipes shall have proper T-Y or Y branches for all fixture connections. No connection to lead bends for water-closets or slop-sinks shall be permitted, except the required back air pipe where a continuous vent is not practicable.

Earthenware traps, shall have heavy brass floor plates soldered to the lead bends and bolted to the trap flange, and the joint made gas tight with red or white lead. Rubber washers for floor connections shall not be used. Crown venting shall not be used except where continuous venting is not practicable.

Earthenware traps.

BACK AIR PIPES, VENTS, ETC.

Except as otherwise provided, traps shall be protected from siphonage or air pressure by special iron or brass air pipes of a size not less than the waste pipes they serve; back air pipes shall not be connected to the trap or branched into the waste pipe, except where a continuous vent is not practicable, but a suitable non-siphon trap may be used without a back air pipe upon the approval of the superintendent. Back air pipes shall enter the waste pipe within eighteen inches from the trap and shall be a continuation of the waste pipe. Lead air pipes may be used only for short connections, where they are exposed to view. Air pipes for water-closet traps shall be connected to the highest point of bend or trap, and may be of two-inch bore if for not more than three fixtures and less than thirty feet in length; if for more than three fixtures or more than thirty feet in length, they shall be of three-inch bore. Air pipes shall be run as direct as practicable, and if one and one-half inches or less in diameter, shall not exceed thirty feet in length. Two or more air pipes may be connected together or with a vent pipe; but in every such case the connection shall be above the top of the fixture. The trap for the upper fixture on a line of soil or waste pipe, if within five feet of the stack in a horizontal line, shall not require a special air pipe, unless the outlet is branched into a stack more than eighteen inches below the top water line of the trap. Diameters of vent pipes shall not be less than two inches for main vents through less than seven stories; three inches for water-closets on more than three floors and for other fixtures in more than seven stories. All vent pipes shall be at least four inches in diameter when they pass through the roof. Vent lines shall be connected at the bottom with a soil or waste pipe or with the drain, in such a manner as to prevent accumulation of rust scale and properly to drip the water of condensation. Offsets shall be made at an angle of not less than forty-five degrees. Soil pipes or iron waste pipes, vents and back

Protection of traps.

Connection of pipes, etc.

air pipes shall be supported by clamps to the woodwork, iron drive hooks to brick walls, or bolted clamps to iron girders.

All traps, except for water-closets, not provided with special air pipes shall be suitable non-siphon traps. Round traps shall be not less than four inches in diameter and eight inches long, and made of eight-pound lead. All trap screws shall be water-sealed.

CHEMICAL LABORATORIES.

Fixtures and waste pipes in chemical laboratories shall be installed in accordance with plans approved by the superintendent.

STABLES.

Drainage.

The drainage of stable fixtures shall be constructed in accordance with plans approved by the superintendent.

Connection with vents, etc.

SECT. 118. In buildings where a series of bathrooms or kitchens are located directly over each other and having a common soil or waste pipe, the back air pipe required shall be a vent line connecting with each outlet branch close to the water-closet connection or outlet from the sink trap, each branch vent to connect to vent line above the top of the highest fixture on each floor, the vent line to connect to main vent line above the top of the highest fixture in the building.

In the case of batteries of water-closets or other fixtures the special air pipe from each trap may be omitted, provided the soil or waste pipe, undiminished in size, is continued to a point above the roof or revented into the main soil pipe system above the top of the uppermost fixture.

REFRIGERATOR WASTES AND DRIP PIPES.

SECT. 119. All drip or overflow pipes shall be extended to some place in open sight, and in no case shall any such pipe be connected directly with the drain pipe. No waste pipe from a refrigerator or other receptacle in which provisions are stored shall be connected directly with a drain or other waste pipe. The waste pipes from all other fixtures shall be connected directly with a drain pipe. Refrigerator wastes connecting with two or more stories shall be supplied with a trap on the branch for each floor and extended through the roof.

WATER-CLOSETS, ETC.

Water supply from tank.

SECT. 120. Every water-closet or line of water-closets shall be supplied with water from a tank or cistern, and shall

have a flushing pipe of not less than one and one-quarter inches in diameter.

DIAMETERS OF WASTE PIPES, ETC.

SECT. 121. The diameters of soil and waste pipes shall be not less than those given in the following table: Dimensions.

	Inches.
Soil pipes	4
Main waste pipes	2
Main waste pipes for kitchen sinks on five or more floors	3
Branch waste pipes for laundry tubs	$1\frac{1}{2}$
Branch waste for kitchen sinks	$1\frac{1}{2}$
Branch waste for urinals	$1\frac{1}{2}$
No branch waste for other fixtures shall be less than...	$1\frac{1}{4}$

Except that, with the approval of the superintendent, a three-inch soil pipe may be used for one water-closet where it is not practicable to use a four-inch pipe.

FERRULES, CLEAN-OUTS, ETC.

The screw cap shall have a solid square or hexagonal nut, not less than one-half inch high, with a least diameter of one and one-half inches. The bodies of brass clean-out ferrules shall be at least equal in weight and thickness to the calking ferrule for the same size of pipe.

LEAD BENDS.

Lead bends shall be not less than eight pounds per foot.

BRASS PIPE.

Brass pipe for soil, waste, vent and back air pipes shall be thoroughly annealed, seamless, drawn brass tubing, of not less than No. 13 Stubbs gauge.

No slip joints or unions shall be used on traps, waste, vents or back air pipes. Threaded connections on brass pipe shall be of the same size as pipe threads for the same size of pipe and shall be tapered. Connections between lead and iron shall be made by brass sleeves or screw nipples wiped to the lead and calked or screwed into the iron. Connections of pipes, etc.

CAST-IRON PIPES, ETC.

Materials.

Cast-iron pipes shall be uncoated, sound, cylindrical and smooth, free from cracks and other defects, of uniform thickness and of the grade known to commerce as "extra heavy." If buried underground, they shall be coated with asphaltum or red lead.

Pipe, including the hub, shall weigh not less than the following average weights per linear foot:

Weight of pipe.	<i>Weights per linear foot.</i>	
	<i>Diameters.</i>	<i>Pounds.</i>
Two inches	5½
Three inches	9½
Four inches	13
Five inches	17
Six inches	20
Seven inches (not stock size)	27
Eight inches	33½
Ten inches	45
Twelve inches	54

Joints.

All joints shall be made with picked oakum and molten lead run full, and be made gas tight. No cement joints nor connections between iron and cement or tile pipe or brick drains shall be made within any building.

WROUGHT-IRON PIPE.

Plumbers' tubing.

Fittings on wrought-iron vent or back air pipes shall be cast-iron threaded fittings. Fittings for "plumber's tubing" shall be heavy weight, with sharp threads.

DRAIN PIPES, ETC.

Materials used.

SECT. 122. Drain and connecting ventilation pipes, vents and back air pipes shall be of sufficient size, and made of extra heavy cast-iron pipe if under ground, and if above ground shall be made of extra heavy cast iron, galvanized wrought iron of standard weight, or brass pipe of not less than No. 13 Stubbs gauge within the building, except that lead pipes may be used for short connections exposed to view; provided that no drain pipe shall be of wrought iron.

Cast-iron drains.

Cast-iron drains shall extend not less than ten feet from the inside face of the wall, beyond and away from the building.

Drain pipes above ground shall be secured by irons to ^{Drain pipes} _{above ground.} walls, suspended from floor timbers by strong iron hangers, or supported on brick piers. Proper manholes shall be supplied to reach cleanouts and traps. Every drain pipe shall have a fall of not less than one-quarter inch per foot, and shall be extended from a point ten feet outside the inside face of the wall, unobstructed, to and through the roof undiminished in size, and to a height not less than two feet above the roof and not less than one foot above the top of any window within fifteen feet, and not less than eight feet above the roof if the roof is used for drying clothes or as a roof garden. Every drain pipe shall be provided with a running trap of a size not less than the internal diameter of the drain with heavy brass clean-out.

Changes in direction shall be made with curved pipes, and ^{Exposure of} _{drain pipes.} all connections with horizontal or vertical pipes shall be made with Y branches. Saddle hubs shall not be used. All drain pipes shall be exposed to sight within the building, if such exposure is practicable, and shall not be exposed to pressure where they pass through the wall.

STEAM EXHAUSTS, ETC.

No steam, or vapor, or water of a temperature over one ^{Temperature.} hundred and thirty degrees Fahrenheit shall be discharged from any premises into any sewer, drain or catchbasin, nor shall any matter or thing be discharged into any sewer which may tend to cause an obstruction of the public sewer or a nuisance or a deposit therein or any injury thereto.

All high-pressure steam boilers shall be connected with a ^{Steam boilers.} blow-off tank of a capacity not less than thirty per cent. of the largest boiler connected with such tank. The location of and the connections to said blow-off tank shall be subject to the approval of the superintendent.

No steam exhaust or steam drip, unless it be provided with ^{Steam drip.} a cooling tank of a capacity approved by the superintendent or unless it be connected with the blow-off tank, shall connect with any drain leading to the sewer. Every blow-off tank shall be supplied with a vapor pipe not less than two inches in diameter, which shall be carried above the roof and above the highest windows of the building.

The superintendent may require such additional means for ^{Method of} _{cooling tanks.} cooling the blow-off tanks by the injection of cold water or otherwise as may be necessary to reduce the temperature of

the water passing from the blow-off tank so that it shall not exceed one hundred and thirty degrees Fahrenheit.

SPECIAL TRAPS, ETC.

Grease traps.

SECT. 123. Every building from which in the opinion of the superintendent grease may be discharged in such quantity as to clog or injure the sewer, shall have a special grease trap, satisfactory to the superintendent. Every building in which gasoline, naphtha or other inflammable compounds are used for business purposes shall be provided with a special trap, satisfactory to the superintendent, so designed as to prevent the passage of such material into the sewer, and ventilated with a separate pipe rising to a point four feet above the roof. The waste pipe of every washstand for vehicles shall be provided with a sand box of sufficient capacity.

Size of water pipe.

The waste pipe from the sink of every hotel, eating-house restaurant or other public cooking establishment shall be connected to a grease trap of sufficient size, easily accessible to open and clean, placed as near as practicable to the fixture that it serves.

ROOF LEADERS AND SURFACE DRAINS.

Drain pipes.

SECT. 124. Rain-water leaders shall not be connected to sewage stack at any point above the basement or cellar ceiling. Wherever a surface drain is installed in a cellar or basement, it shall be provided with a deep seal trap and back water valve. Drain pipes from fixtures in cellars and basement liable to back flow from a sewer shall be supplied with back water valves.

GAS FITTING AND GAS-FITTING MATERIALS.

Approved by gas inspector.

SECT. 125. No pipe or fitting shall be covered or concealed from view until approved by one of the gas inspectors of the building department, or for twenty-four hours after notice has been given to the superintendent.

Laying of pipe.

No pipe shall be so laid as to support any weight (except fixtures), or be subjected to any strain.

Outlets.

All outlets for fixtures shall be securely fastened to the satisfaction of the superintendent; all outlets not covered by fixtures shall be left capped, and the number of burners for each outlet shall be marked on the builder's plans.

Any pipe laid in a cold or damp place shall be properly Damp places. dripped and protected.

All swing brackets shall have a globe or guard to prevent Brackets. its burner from coming in contact with the wall. All bracket outlets shall be at least two inches from window or door casings.

Gas or combination fixtures in all public buildings, theaters Approval of superintendent. and public halls shall be made safe to the satisfaction of the superintendent.

All stop-pins to keys or cocks or fixtures shall be screwed Screwed in place. into place.

The use of gas fitters' cement is prohibited, except in putting Use of cement. fixtures together.

Gas shall not be let on in any building until the work performed has been approved by the superintendent. Inside services shall be tested by the fitter who receives the permit to connect the service or meter. Connection of service.

There shall be a brass straightway valve on the service pipe Valve. close to the foundation wall, one at the inlet and one at the outlet side of each meter. Iron valves shall not be used.

There shall be a final test, by a gas fitter, of all fixtures and pipes by two inches of mercury, which must stand five minutes; this test is to be made in the presence of one of the gas inspectors of the building department; the gauge to be made of glass tubing of uniform interior diameter, and so constructed that both surfaces of the mercury will be exposed. Tests by gas fitter.

All gas pipe shall be of wrought iron, all fittings of malleable iron, and all meter connections of lead pipe of the same size as the fit or riser. Galvanized fittings are prohibited. Gas pipe materials

Brass solder nipples shall be used on all meter connections.

No riser shall be left more than five feet away from the front foundation wall.

All buildings shall be piped according to the following scale and properly fastened:

	Inches.	Feet.	Burners.	Scale of pipings.
Iron pipe	3/8	26	3	
Iron pipe	1/2	30	6	
Iron pipe	3/4	50	20	
Iron pipe	1	70	35	
Iron pipe	1 1/4	100	60	
Iron pipe	1 1/2	150	100	
Iron pipe	2	200	200	

	Inches.	Feet.	Burners.
Iron pipe	2½	300	300
Irop pipe	3	450	450
Iron pipe	3½	500	600
Iron pipe	4	600	750

All outlets and risers shall be left capped or covered with fixtures.

Service pipes, etc.

All service pipes in cold or damp places shall be painted with two coats of red lead and boiled oil.

Gas outlets for burners shall not be placed under tanks, back of doors, or within four feet of any meter.

All gas burners less than three feet from ceiling or wood-work shall be protected by a shield.

Brass tubing.

All brass tubing used for arms or stems of fixtures shall be at least No. 18 standard gauge and full size outside so as to cut a full thread. All threads on brass pipe shall screw in at least 5-16 of an inch. All rope or square tubing shall be brazed or soldered into fittings and distributors, or have a nipple brazed into the tubing.

Cast fittings.

All cast fittings, such as cocks, swing joints, double centers and nozzles, shall be standard fittings, except for factory use, where extra heavy or mill fittings shall be used. The plugs of all cocks must be ground to a smooth and true surface for their entire length, be free from sand-holes, have not less than three-quarters inch bearing on all cast fittings, and eleven-sixteenths of an inch on all turned fittings, have two flat sides on the end for the washer and have two nuts instead of a tail screw. No unions to be used when concealed. Only right and left couplings to be used.

Diameter of outlets.

Outlets for gas ranges shall have a diameter not less than that required for six burners, and all gas ranges and heaters shall have a straightway valve on the service pipe.

Laying of pipes.

Pipes in buildings shall be laid above timbers instead of beneath them, where it is possible to do so.

Permits.

No second-hand gas pipe shall be put into use in any building without the written permit of the superintendent.

Drops or outlets.

Drops or outlets less than three-quarters of an inch in diameter shall not be left more than three-quarters of an inch below plastering centerpiece or woodwork, and other outlets shall not project more than three-quarters of an inch beyond plastering or woodwork.

Fastening boards shall not be cut away to accommodate ^{Fastening.} electric wires. All outlets shall be fastened.

All iron pipes used for piping buildings, all arms and all ^{Weight of iron pipes.} items of fixtures shall be of the kind classed as standard pipe and shall weigh according to the following table:

	<i>Size (inches). Pounds per foot.</i>	<i>Standard weight.</i>
Iron pipe	$\frac{1}{8}$.24
Iron pipe	$\frac{1}{4}$.42
Iron pipe	$\frac{3}{8}$.56
Iron pipe	$\frac{1}{2}$.85
Iron pipe	$\frac{3}{4}$	1.12
Iron pipe	1	1.67
Iron pipe	$1\frac{1}{4}$	2.24
Iron pipe	$1\frac{1}{2}$	2.68
Iron pipe	2	3.61
Iron pipe	$2\frac{1}{2}$	5.74
Iron pipe	3	7.54
Iron pipe	$3\frac{1}{2}$	9.00
Iron pipe	4	10.66

No gas pipe shall be laid in cement, unless the pipe and ^{Laying of gas pipe.} channel in which it is placed are covered with tar, nor within six inches of an electric wire.

Wherever spark-lighting or self-lighting burners are used, the mercury test shall be applied to the cocks.

All stems of fixtures of two lights or more each shall be not less than one-quarter of an inch iron pipe size. L-burner cocks shall not be used at the end of chandelier arms.

HAZARDOUS BUILDINGS AND APPLIANCES FOR POWER AND HEAT.

SECT. 126. No building shall be used for a grain elevator, ^{Use of buildings as storage.} or for the storage or manufacture of high combustibles or explosives or for chemical or rendering works, without a permit from the superintendent, and no engine or boiler carrying a pressure of over fifteen pounds per inch shall be placed in any building without a permit from the superintendent. Every application for such permit shall be in writing, shall be filed with the superintendent, and shall set forth the character of the building, the size, power and purposes of the apparatus, and such other informations as the superintendent may require.

The applicant shall publish in at least two newspapers published in the city of Cambridge and, if so directed by the superintendent, shall also post conspicuously on the premises a copy of the application and shall deliver copies thereof to such persons as the superintendent may designate.

Objections filed.

If no objection is filed with the superintendent before the expiration of ten days after the time of the first publication of notice, or within ten days of the delivery and first posting of the notice if such delivery or posting is required, the superintendent shall, if the arrangement, location and construction of the proposed apparatus is proper, and in accordance with the provisions of this act, issue a permit for the same. If objection is filed, the application shall be referred to the board of appeal, which may, in its discretion, require the deposit by the objector of a reasonable sum as security for the payment of the costs.

After such notice as the board shall order, it shall hear the same and shall direct the superintendent to issue a permit, under such conditions as it may prescribe, or to withhold the same. If the permit is refused, the applicant, and if it is granted, the objectors, shall pay such costs as the board may order.

Conditions for carrying boilers.

The superintendent shall from time to time, after public notice and hearing, prescribe conditions on which any or all boilers carrying a pressure of over fifteen pounds per inch may be maintained in buildings, and, if any person interested objects to such conditions and appeals from his decision establishing the same, the appeal shall be referred to the board of appeal and thereupon said board shall prescribe the conditions.

COMBUSTIBLE MATERIALS.

No building used for habitation shall be place for storage.

SECT. 127. No building in actual use for habitation, nor any part thereof, nor the lot upon which it is situated, shall be used as a place for storage, keeping or handling of any combustible article, nor as a place for the storage, keeping or handling of any article dangerous or detrimental to life or health, nor for the storage, keeping or handling of feed, hay, straw, excelsior, cotton, paper stock, feathers or rags, except under such conditions as may be prescribed by the chief of the fire department.

SECT. 128. Any notice required by this ordinance shall be

sufficient if mailed postage prepaid to the address of the interested party or parties given in the application filed by them, or subsequently changed by notice in writing to the superintendent.

REPEALS.

SECT. 129. So much of any other act or ordinance of the ~~Repeal.~~ city of Cambridge as is inconsistent herewith is hereby repealed.

SECT. 130. This ordinance shall take effect upon the first ~~in effect.~~ day of March, in the year nineteen hundred and eight.

CHAPTER 14.

CITY ELECTRICAL DEPARTMENT.

**City
electrician.**

Duties.
1890, c. 404, § 3.
1889, c. 398.

**Inspection of
wires, attach-
ments, etc.**

**Affixing of tags,
marks, etc.**
1899, c. 320.

1889, c. 398.
1890, c. 404, § 3.

SECTION 1. The city electrical department shall be under the charge of the city electrician.

SECT. 2. The city electrician shall have supervision of every wire over, upon, through or under all streets and over buildings throughout the city; every wire within a building when such wire is designed to carry an electric light or power current; also of wires for the transmission of electricity for the purpose of heating or power; of all poles, conduits and other structures holding, supporting or containing such wires in streets and public places, except parks, commons, bridges or other public reservations. He shall inspect the condition of all poles, wires, conduits and cables, their attachments, insulations, supports and appliances.

SECT. 3. He shall require every person or corporation using, operating, or maintaining such fixtures to affix at the points of support, or to a suitable cross-arm at or to which any such wires or cables containing wires are attached, a tag or mark distinctly designating the owner or user of such poles, wires or cables except that any such tag or mark shall not be required for the poles, wires or cables of a street railway company used for the transmission of its motive power, nor used for the protection or support of such wires. Whenever any such poles, structures, attachments, insulations, supports or appliances are unsuitable or unsafe, or the tags or marks thereof are insufficient or illegible, he shall order any such person or corporation owning or operating the same to replace them with suitable and safe poles structures, attachments, insulations, supports or appliances; to repair or remove any wire abandoned for use; every wire which shall be unprovided with a tag or mark, and every post, structure or other appliance not so provided; and if not replaced, repaired or removed forthwith, he shall thereupon proceed to replace, remove or repair the same at the expense of the owner thereof.

SECT. 4. He shall require every person or corporation owning or operating a line of wires over, upon, through or

under any streets or over any buildings throughout the city, to use only such wires as are suitable and strong; shall require such wires to be suitably and safely attached to strong and sufficient poles properly painted and insulated at all points of attachment; and when a wire enters a building, and if such wire is other than a wire designed to carry an electric light or power current, shall cause to be attached to it at suitable and convenient points in the circuit calculating to prevent danger from fire, and near the place of entering a building, an appliance calculated to prevent at all times a current of electricity of such intensity or volume as to be capable of injuring electrical instruments or causing fire to enter the building by means of such wire, beyond the point at which such appliance is attached, and shall cause to be suitably insulated every wire within a building when such wire is designed to carry an electric light or power current.

Wires to be suitable and strong.
1890, c. 404, § 1, 3.
1895, c. 228, § 1, 2.

1890, c. 404, § 1.

SECT. 5. In case of fire, or whenever the maintenance of any wire or wires may be a menace to life or property, he shall have authority to direct any corporation or person owning, leasing, operating or maintaining any wire or wires, to shut off the electric current therefrom for such a period of time as he may deem to be necessary, or to cause said wire or wires to be cut or removed without notice, and such wire or wires shall not be connected again or replaced without his approval.

Electric current to be shut off.

Wires to be cut in case of fire, etc.

SECT. 6. He shall inspect the construction, location and insulation of wires designed to carry electric light, heat or power current in buildings in process of construction or repair within the limits of the city and the connection of said wires with any electrical circuit. He shall see that all laws, orders, ordinances and regulations relative to wires and conduits, and pole or conduit locations, are strictly enforced.

Wires in buildings in process of construction.

Enforcement of laws, etc.

SECT. 7. He shall have supervision of the fire alarm telegraph, the police signal system, and all other electrical wires and wire systems now or hereafter owned by the city, except in public parks, bridges or other public reservations. He shall purchase wires, apparatus and machinery and all property and appliances connected with the fire alarm, police signal and lamp systems, which may be under his care and control, shall keep the same at all times in good working order, and shall erect, or cause to be erected, all electrical wires and appliances used in connection with said

Supervision of municipal systems, purchase and erection of appliances.

several systems and all electrical wires or lines owned by the city, except such wires or lines as may be under the care of the bridge, park or water works departments.

Street lamps.

SECT. 8. He shall have the care and oversight of all street lamps and the fixtures thereof throughout the city, and the erection of posts, lamps and fixtures connected and used with the same, except such lamps as may be located on bridges or in parks or other public reservations; shall contract for all materials, superintend the putting up of all posts, lamps and fixtures located by the city council; shall contract for all lights under his control; shall keep an accurate account of the number of lamps which burn gas, or other material, the cost of same, the number of men employed, the wages given, the kind, quality and cost of fixtures, the number of electric lights and the cost and the outages of the same, and all other expenses incurred in his department. He shall annually, in the month of December, present to the city council a report showing the detailed expenses, the value of the property on hand, the number, kind, quality and cost of lights used by the city, the outages of the same, and such other material facts as relate to the operation of his department.

Annual report.

Electric meters.

SECT. 9. He shall see that all meters for gas or electricity furnished to the city, other than to the bridge, park and water works departments, are in proper condition, and as often as may be necessary shall test the power of all lights furnished to the city, except to said bridge, park or water works departments; and shall see to it that in all particulars, the provisions of any contracts made are strictly performed.

Examinations and tests.

He shall make such examinations and tests, impart such information, and render such assistance as may be in his power to the bridge, park and water works departments whenever requested by said departments.

Placing, insulation, etc., of wires.

SECT. 10. All wires, appliances and apparatus in the interior of buildings or on private premises which are intended for the transmission of electricity and whether or not connected with an outside circuit shall be properly and safely constructed, placed, arranged, attached, insulated, covered, changed and maintained by the person or corporation using the same. Such person or corporation shall allow the city electrician at all reasonable times free access to such wires, appliances and apparatus, and shall notify

said city electrician of any intention to construct, place, arrange, attach, insulate, change or maintain any such wires, appliances, and apparatus before they are covered or enclosed, or connected with any outside circuit.

SECT. 11. Every person or corporation owning, operating Quality of appliances, etc. or leasing any poles, wires, ducts, conduits, manholes, electrical structures or appliances within the public ways of the city of Cambridge shall comply with all rules and requirements of the board of aldermen with respect to the quality of poles, wires, ducts, conduits, manholes, structures and other appliances and with all rules and requirements of said board with respect to their installation, removal and repair, and shall, at all reasonable times, give to the city electrician access to such poles, wires, ducts, conduits, manholes, structures, appliances and apparatus. No line or wire¹ excepting supporting wires for cables and Attachment of wires to poles. ring construction shall be attached to any pole by means of brackets or other side fixtures, nor shall the wires or lines of more than one party be placed on the same cross-arm.

No corporation or persons maintaining or operating a wire or line of wires for the transmission of electricity shall affix to or place upon any pole, structure, or fixture owned by it or them and now erected or that may be erected hereafter, any additional wire or wires, except upon a written permission of the city electrician.

SECT. 12. No person or corporation shall permit any Unused wire. unused piece of coil or loose end of wire to be left on the surface of any public way or sidewalk, or attached to any cross-arm, pole or other structure.

SECT. 13. Whenever the city electrician shall request, any person or corporation operating electric or other wires, poles, ducts, conduits or manholes upon, over, through or under any public way or over any building, shall, within fifteen days, furnish a plan, showing the number and location of its poles, the cross-arms on each, the number of wires or cables thereto attached, or contained therein, the particular locations of all its ducts, conduits and manholes, and the usage to which the respective ducts in said conduits are, and hereafter may be put, with specifications of the average volts charged and current used, the tested strength, the kind and number of lamps or motors con- Detail plan to be furnished.

¹ Amended Oct. 24, 1907.

nected with any electrical circuit, and other electrical appliances, and, in general, the method of installation, operation, maintenance and repair. Said plan shall be in form and size agreeable to the city electrician.

Signal boxes.
1888, c. 291, § 1.

SECT. 14. No person except a police officer, fireman, or employee in the city electrical department in the discharge of his duties, shall open, attempt to open, or cause to be opened any of the police or fire alarm signal boxes, except in case of fire; no person shall interfere, tamper, or meddle with, break, cut, injure or deface any such boxes, any part or parts thereof, or anything connected therewith; and no person shall put any bill or placard upon such signal box, pole or structure.

Placards and
bills.

No poles, con-
duits, etc.,
without order
of board of
aldermen.
P. S. c. 109.

SECT. 15. No person or corporation shall construct, erect, lay or maintain in any public way, any pole, duct, conduit, manhole or other structure to support or contain wires or lines for the transmission of intelligence by electricity or otherwise or for the purposes of light, heat and power, except by order of the board of aldermen previously obtained, in which the exact location of each shall be duly set forth.

No wires to be
attached without
order.

SECT. 16. No wire, line or apparatus used for the transmission of electricity for any purpose shall be attached by cross-arms or otherwise to any tree in any public way, except by consent in writing of the board of park commissioners previously obtained, nor shall any such wire, line or apparatus be attached as aforesaid to any public building, structure, or fixture of any kind, in any public way or grounds, except in public parks, bridges and other public reservations except by order of the board of aldermen previously obtained, in which order such building, structure or fixture shall be duly described; provided, however, that the aforesaid regulation shall not apply to wires, lines or apparatus owned or used by the city.

Acceptance of
locations to be
filed.

SECT. 17. Whenever permission shall be granted by the board of aldermen to erect and maintain poles, or to construct and maintain ducts, conduits, manholes or other fixtures in the public ways to support, hold, or contain lines or wires for the transmission of electricity, the party to whom such permission is granted shall, within thirty days from the date of the order granting such permission, file in the office of the city clerk a written acceptance without reservation of the location of such poles, ducts, conduits, manholes or other fixtures and of all the conditions, terms

and provisions contained in the order and the ordinances of the city and future amendments thereof, and agreeing to carry out, observe, perform and be subject to the same; and in default of such written acceptance and agreement, the permission and grant of location shall be void. Such grant and permission shall likewise be void and deemed revoked unless within six months after the date of the order the poles, ducts, conduits, manholes and other fixtures shall have been erected or constructed and completed; and, unless within six months after such completion, the electric lines shall be constructed and put in operation. Whenever the operation of the electric lines upon or in any location granted shall be discontinued for six months, the grant shall cease and be of no further effect.

Completion of work.
P. S., 109, § 3.

SECT. 18. All poles in sidewalks shall be set upon the outer edge thereof, and, wherever there are curbstones, placed within four inches of the inner edge of the curbstones. Poles for telegraph, telephone, and electric light lines shall be of hard pine, square at the surface of the ground, and planed and chamfered,¹ or round chestnut poles—straight, smooth shaven, free from blemishes, and painted and of such quality of material and construction as the board of aldermen in each case, and permits given therefor, shall determine. Before any poles are set or reset, or any permits given therefor, they must be inspected and approved by the superintendent of streets and the city electrician. The person or persons to whom permits are granted shall keep the poles painted to the satisfaction of the city electrician. Poles for support of trolley, guard, span or feed wires of the street railway system shall be cylindrical iron poles, unless ordered by the board of aldermen. Poles for support of trolley, guard, span or feed wires of the street railway system shall be cylindrical iron poles, unless otherwise ordered by the board of aldermen.

Location of poles in sidewalks.

SECT. 19. All permissions granted by the board of aldermen to erect and maintain poles, or to construct ducts, conduits, manholes or other fixtures for electrical lines, in the public ways, may at any time be revoked by the board of aldermen, either in whole or in part, and the said board may order the removal of such poles, ducts, conduits, manholes, fixtures, wires and lines as it may deem necessary: and whenever any poles, ducts, conduits, manholes, fix-

Revocation of grants.

¹ Amended June 28, 1906.

tures, lines and wires are so ordered to be removed, such removal shall be done by and at the expense of the owner, in conformity with the order, within thirty days after notice, and, if not so removed, the board of aldermen may cause the removal to be done and the expense thereof to be repaid to the city by the owner.

No wires to be attached without order of board of aldermen.
1884, c. 302, § 1.

SECT. 20. No person or corporation shall attach any wire or line for the transmission of electricity for any purpose, except the lines and wires owned or used by the city, to any pole already erected for the use of another corporation or person, except by consent of the owner and the order of the board of aldermen previously obtained, in which order such pole shall be duly described.

SECT. 21. To all poles erected and maintained by any person or corporation under the provisions of this ordinance, the city may at any time attach wires for its own use.

SECT. 22. All petitions presented to the board of aldermen for permission to erect poles to support wires or lines or to construct conduits for the transmission of electricity for any purpose, shall be accompanied with, or contain a statement of, the exact location of each pole proposed to be erected, or conduit to be constructed, and shall be accompanied with duplicate plans showing said locations, said plans to be in form and size agreeable to the city clerk. A hearing upon every such petition shall be given to all parties interested. Notice of the filing of every such petition, and of the hearing thereon, shall be given by the petitioner or petitioners, to owners or occupants of the land along the public ways upon which locations are prayed for, which notice shall state briefly the public ways or the parts thereof to which such petition relates.

Hearings to be given.

Notice to be served.

Locations to be changed, when.

Expense of such change.

Wires to be put in aerial cable, when.

SECT. 23. The location of all poles, ducts, conduits or manholes erected or used by permission of the board of aldermen, to support or contain wires and lines for the transmission of electricity, shall be changed and altered whenever deemed necessary by said board by the owner or person using the same at his expense without any unnecessary delay, and if not so changed or altered, it shall be done by the city electrician at the expense of said owner or person.

SECT. 24. Whenever the board of aldermen shall deem it proper, all persons or corporations, mentioned in section 11 of this ordinance, shall gather and place in aerial cable,

lines and wires to the number of fifty or more in any public way, within such time, at such height and in such manner as said board may designate.

SECT. 25. No public way or bridge shall be torn up or disturbed for the purpose of laying, repairing, changing or removing lines, wires, ducts, conduits or manholes, or erecting, altering or removing poles or other fixtures used for carrying electric lines or wires, without a license first obtained therefor. No formal license shall be necessary to sanction the temporary removal of covers to manholes for the purpose of removing or repairing lines, wires and cables. Whenever a manhole is opened, the person or corporation by whose authority the same is done shall place a suitable metallic guard rail around the opening, with a signal flag, at least one foot square, displayed therefrom.

Whenever any opening or disturbance is made in any public way or bridge for any purpose, such public way or bridge shall be promptly restored by the person or corporation owning or operating the lines, wires, ducts, conduits, or manholes, or making such repairs, to a condition satisfactory to the superintendent of streets, and shall be kept and maintained in such condition by such person or corporation for two years thereafter; and, if not immediately so restored, kept and maintained, the same may be done by the city at the expense of such person or corporation.

SECT. 26. Whenever the city shall construct, enlarge, relocate, repair, or alter the streets, sewers, water pipes or other public works, in streets, ways and bridges where conduits and wires are laid, which in the opinion of the board of aldermen may require the removing or changing the location of said conduits and the fixtures appertaining thereto, or the repairing thereof, said removing, changing and repair shall be done without delay at the expense of the person or corporation owning or operating the same.

SECT. 27. Whenever underground conduits have once been laid in the streets and ways of the city, they shall not be removed, relocated or changed, without permission from the board of aldermen.

SECT. 28. In all underground conduits and manholes sufficient and necessary space shall be reserved, free of expense, for wires belonging to or to be used by the city, and said conduits shall at all times be accessible to the

Streets, etc., not
to be torn up
without a license.

Streets, etc., to
be restored after
opening, etc.

Wires and con-
duits to be re-
moved, when.

Not to be re-
moved, etc., with-
out permission.

City to have
space in under-
ground conduits.

city for the purpose of putting in, taking out and repairing its wires.

Bond to be given.

Condition of bond.

SECT. 29. Every person or corporation constructing, maintaining or operating a telegraphic, telephonic, or other electrical line in the city, shall execute a bond, with satisfactory surety, in a penal sum of not less than ten thousand dollars, and of form satisfactory to the city solicitor, conditioned to indemnify and save harmless the city against all damages, costs, expenses and losses whatsoever, to which it may be subjected in consequence of the acts and neglects of such person and corporation, their agents, officers and servants, and any and all persons acting by, through, or under such person or corporation, and in any manner arising from, or growing out of the use and transmission of electricity, the privileges permitted by the city, and the construction, maintenance, operation, and use of lines, wires, cables, conduits, poles, structures, constructions, fixtures and apparatus; and also, to fulfil all their agreements with the city, all the orders, conditions and obligations imposed by the board of aldermen, and all obligations and duties required by law, and by this chapter and every other ordinance, and all additions and amendments relating thereto.

New bond may be required.

Use of poles, etc., by other corporations.

Penalty.

Continuation of previously existing ordinances.

A new bond of like import, and with new surety, may at any time be required by the city, which new bond shall be a strengthening bond, unless the surety on former bonds is expressly released from further liability by vote of the board of aldermen.

SECT. 30. All locations hereafter granted shall be subject to the condition that any person or corporation to whom locations shall be granted, shall give any other person or corporation permission to use its poles, ducts, conduits, manholes or other electrical appliances or apparatus whenever ordered so to do by the board of aldermen on payment of a reasonable rental.

SECT. 31. Except as otherwise provided by law, any person violating any provision of this chapter shall be subject to a penalty of not exceeding twenty dollars for each and every offence.

SECT. 32. This ordinance, so far as its provisions are the same in effect as those of previously existing ordinances, shall be construed as a continuation of those ordinances; it shall not affect any act done, any right accruing, any

penalty incurred or any suit, prosecution, or proceeding pending. Subject to the aforesaid limitations, chapters 14 and 16 of the revised ordinances of 1892, all ordinances amendatory thereof, and supplementary thereto, are hereby repealed.

Provided, however, that the tenure of office of the inspector of wires and of the superintendent of lamps shall continue until the appointment and confirmation of the city electrician, (and that until such appointment and confirmation said inspector of wires and superintendent of lamps shall have all the powers, perform all the duties and be subject to all the responsibilities of said city electrician, as defined in this ordinance).

Tenure of office
of inspector of
wires.

CHAPTER 15.

INSPECTION OF MILK AND VINEGAR.

Inspection of
milk and
vinegar
department to
be in charge of
the inspector
of milk and
vinegar.
P. S. c. 57.
P. S. c. 60, § 71.

His term of
office.

Duties.

Annual report.

SECTION 1. The inspection of milk and vinegar department shall be in charge of the inspector of milk and vinegar, who shall hold his office for the term of one year from the first Monday of January in the year of his appointment. He shall be sworn to the faithful performance of the duties of the office of inspector of milk, and of inspector of vinegar; and shall have and exercise all the power and authority, and be subject to all the duties and, limitations which the statute imposes upon and requires of inspectors of milk, and inspectors of vinegar.

SECT. 2. He shall annually, in the month of December, make a full report of all matters pertaining to his department, with an inventory of all the apparatus and property of the city belonging thereto, which shall be in his charge.

CHAPTER 16.¹INSPECTION OF PROVISIONS AND OF ANIMALS INTENDED FOR
SLAUGHTER OR KEPT FOR THE PRODUCTION OF MILK.

SECTION 1. The department of the inspection of provisions and of animals intended for slaughter or kept for the production of milk shall be under the charge of the inspector of provisions and animals intended for slaughter or kept for the production of milk. He shall be a skilled veterinary physician, shall be sworn to discharge faithfully the duties of his office, and shall hold his office for the term of one year from the first day of May in the year of his appointment, subject to removal at any time by the mayor and aldermen.

Inspection of
provisions and
of animals,
department to
be in charge of.

Term of office.

SECT. 2. In addition to the duties required of him by the public statutes, and acts in amendment thereof, he shall professionally visit, attend and treat, whenever necessary or whenever requested by the mayor, any and all of the horses owned by the city in the several departments thereof, and shall physically examine and report upon all horses offered for sale to said city.

Duties.

SECT. 3. He shall annually, in the month of December, ^{Annual report.} and whenever requested by the mayor and city council, make a full and detailed report of all matters pertaining to his department, with such suggestions as he may deem proper.

¹ Chapter 16 of the revised ordinances of 1892, being the ordinance in relation to lamps, was repealed Oct. 24, 1899; said ordinance being included in ordinance in relation to City Electrical Department approved Oct. 24, 1899.

CHAPTER 17.

LAW.

Law department to be in charge of the city solicitor. Stat. 1891, c. 304, § 20.

Term of office.

Vacancy.

He shall draft all legal instruments.

Shall prosecute all actions for the city.

Shall defend the city in all actions.

Shall represent the city before legislative committees.

SECTION 1. The law department shall be in charge of the city solicitor, who shall be a citizen of Cambridge and an attorney and counsellor of the courts of the commonwealth, and who shall hold no other office under the city government during the period for which he is elected. He shall hold his office for one year from the first Monday of May in the year in which he is elected, and until his successor is elected and qualified, unless sooner removed; and he shall be removable at the pleasure of the city council. A vacancy may be filled at any time for the unexpired term.

SECT. 2. He shall by himself, or by some person by him duly authorized, for whose conduct, skill and faithfulness he shall be accountable, draft all legal instruments, of whatever nature, which may be required of him by any ordinance, or order of the board of aldermen or of the city council, or which may be requisite to be done and made by the city and any person contracting with the city, and which, by law, usage or agreement, the city is to be at the expense of drawing.

SECT. 3. He shall commence and prosecute all actions and suits to be commenced by the city, before any tribunal in this commonwealth, whether in law or equity, and also appear in, defend and advocate the rights and interests of the city, or any of the officers of the city, in any suit or prosecution, for any act or omission in the discharge of their official duties, wherein any estate, right, privilege, ordinance or act of the city government, or any breach of any ordinance, may be brought in question. He shall also appear before the legislature of the commonwealth, or any committee thereof, and there, in behalf of the city, represent, answer for, defend and advocate the interests and welfare of the city, whenever the same may be directly or incidentally affected. He shall, in all matters, do every professional act incident to the office, which may be required of him by the city government, or by any committee thereof,

or by any ordinance or order. He shall furnish legal opinions on such subjects or questions as may be submitted to him by the mayor, the board of aldermen, the common council or the school committee; by any committee of the city council, or either branch thereof, or any sub-committee of the school committee or by any board or department of the city government who may require advice in regard to the discharge of their duties.

Shall furnish legal opinions, etc.

SECT. 4. He shall receive such salary as the city council may determine. In all cases when his attendance is required out of the city, his reasonable travelling expenses shall be allowed him.

Salary.

Traveling expenses, etc.

CHAPTER 18.¹

OVERSEERS OF THE POOR.

Overseers of the
poor department
to be in charge
of the overseers
of the poor.
1891, c. 364, § 21.

Election of
vacancies.

To have charge
of almshouse and
other property.
P. S. c. 84.

SECTION 1. The overseers of the poor department shall be under the charge of the board of overseers of the poor consisting of five persons, one of whom shall be elected annually by the city council in joint convention in the month of March, for the term of five years beginning the first Monday in May of that year. Vacancies may be filled for the unexpired term in the same manner.

SECT. 2. The board shall have charge of the Cambridge City Home ²and may make and enforce all such rules and regulations as they deem expedient in relation thereto. They shall preserve all books, papers, property, evidences of property, vouchers and other things intrusted to, kept by or deposited with them.

¹ Sections 3 to 8 inclusive repealed Oct. 22, 1896.
² Amended May 9, 1900.

CHAPTER 19¹.

PARKS AND PLAYGROUNDS.

SECTION 1. The board of park commissioners shall here- Board consist of five members. after consist of five members, who shall be appointed in the manner hereinafter provided. The board of playground commissioners is hereby abolished and all of the powers and duties hereinbefore vested in said board shall be exercised by the board of park commissioners.

SECT. 2. The mayor shall, subject to the confirmation of Appointment. the board of aldermen, upon the passage of this ordinance, appoint two persons as members of said board, whose terms of office shall extend respectively to the first Monday of May, 1915, and the first Monday of May, 1916, and upon the expiration of the terms of the present members of the board, their successors shall be appointed in the manner aforesaid for the term of five years from the date of the expiration of the term for which such present member was originally appointed, and the mayor shall in the manner aforesaid during the month of April in each year appoint a commissioner for the term of five years as successor to the commissioner whose term is about to expire. No person shall be a commissioner who is at the same time a member of the city council. Any vacancy occurring in Vacancy. the said board shall be filled for the residue of the term of the commissioner whose place is to be filled, in the same manner in which such commissioner was originally appointed. Said commissioners shall, in addition to the above term, hold office until others are appointed in their respective places.

SECT. 3. The chairman of the board of park commissioners shall be elected by the board, and shall be one of the persons appointed as provided in the second section of this chapter. The board may make such rules and regulations for its own government and in relation to its officers as may be deemed expedient. Election of chairman.

SECT. 4. The board so constituted shall have and execute Rights and duties. all the rights, powers and authority given to it and to the city council by the legislature by the three hundred and forty-first chapter of the acts of the year eighteen hundred and ninety-

¹ Amended July 8, 1912.

Appointment of superintendent.

Assistants.

two and by the three hundred and thirty-seventh chapter of the acts of the year eighteen hundred and ninety-three, and by chapter twenty-eight of the revised laws as amended by the five hundred and eighth chapter of the acts of the year nineteen hundred and ten and by the five hundred and thirteenth chapter of the acts of the year nineteen hundred and eight and by any and all acts in addition thereto or in amendment thereof so far as the same can be legally delegated by the city, subject to all the duties, liabilities and restrictions therein contained. Said commissioners may in their discretion annually appoint a superintendent, a director, a clerk and any and all other subordinate agents and assistants, as in the judgment of said board may be necessary for the proper conduct of the department who shall be removable at their pleasure, and shall fix their compensation subject to the approval of the committee on finance.

Annual report.

SECT. 5. The board on or before the fifteenth day of March in each year, shall present to the city council a report containing a statement of the condition of all the parks, playgrounds, commons and lands under its control or supervision, and of other property connected therewith, with an account of all receipts and expenditures together with any information or suggestions which it may deem important; and shall at the same time transmit the reports of such of its officers or subordinates as it may deem advisable for the information of the city council.

Sale of property.

SECT. 6. The board may sell such of the personal property connected with said parks, playgrounds, commons or lands as it may deem expedient subject to the approval of the mayor.

Duties of chairman.

SECT. 7. The chairman of the board shall exercise a general supervision over all said parks, playgrounds, commons and lands and the materials and property connected therewith, and over all subordinate officers and agents. In case of his absence or disability his duties may be performed by a chairman *pro tempore* to be chosen by the board.

Contracts, bargains, etc.

SECT. 8. No member of the board and no member appointed to any office or employed by virtue of this chapter or of the acts of the legislature mentioned in the fourth section of this chapter, shall be interested, directly or indirectly, in any contract, bargain, sale or agreement, in relation to said parks, playgrounds, commons or lands or any matter or thing connected therewith wherein the city is interested; and any and

all contracts, bargains, sales or agreements made in violation of this section shall be void as to the city.

SECT. 9. The superintendent shall perform all such services in relation to the trees in the public streets and said parks, playgrounds, commons and lands as may be required of him by the board, and he shall annually during the first week of March present to the board a report of the general condition of said parks, playgrounds, commons and lands.

Duties of superintendent.

SECT. 10. The board may require the city engineer, either by himself or by his assistants, to perform all work which properly come within the province and direction of a civil engineer, including the making of examination and surveys, the preparation of statements, plans, profiles, estimates, descriptions, specifications and contracts and the measuring of the work done by contract and certifying to the results of such measurement.

Requirements from city engineer.

SECT. 11. The park commissioners, in addition to the general care and charge of parks, playgrounds and public grounds imposed upon them by the foregoing provisions, shall have the general care and charge of all other commons, public grounds and enclosures now belonging and as the same may hereafter belong to the city, and not under the general care of the water board.

Park commissions have care of common, etc., not under care of water board.

SECT. 12. The park commissioners shall have the care of the trees in the public streets. They shall cause all statutes and ordinances made for the protection of said trees, the commons and all other public grounds and enclosures not under the general care and charge of the water board to be strictly enforced, and shall institute legal proceedings against all persons violating such statutes and ordinances.

Care of trees in public streets.

SECT. 13. All orders and ordinances inconsistent herewith are hereby repealed.

Police department to be in charge of the chief of police.

His term of office.
P. S. c. 27, § 85.
1891, c. 364,
§§ 8, 10.

Duties.

Shall keep a record and report to the mayor.

Shall direct and control the transportation of all injured persons.

Emergency ambulance

Employment of assistance.

Annual report.

Shall report fees.

CHAPTER 20.

POLICE.

SECTION 1. The police department shall be under the charge of the chief of police, who shall hold his office during the pleasure of the mayor and aldermen. He shall have, under the direction of the mayor, the care and custody of the patrol wagons, ¹emergency ambulances, police vans and other vehicles, harnesses and horses used by the police force, and all the furniture and other property of the city at the several police stations, except that the apparatus of the police signal system shall be under the supervision of the inspector of wires. The chief of police shall also have the charge of all the police stations.

SECT. 2. The chief of police shall keep a correct and complete record of the business of the department, and shall make such reports to the mayor from time to time, as he shall require, concerning all matters relating to the police department, and to the property of the city used by the police force.

¹SECT. 3. The chief of police shall within the city limits direct and control the transportation of all injured persons who require immediate care, relief and assistance, ²and shall respond to all calls made upon him, for the use of the emergency ambulance, by the overseers of the poor for all cases except cases of contagious disease.

SECT. 4. The chief of police shall employ suitable persons to assist, and shall provide and contract, under the ordinances, for suitable materials, appliances, and means to carry out and accomplish the provisions of this ordinance, and shall be responsible for the faithful and complete execution of the same.

¹SECT. 5. The chief of police shall make a report to the city council annually, in the month of December, of all the receipts and expenditures of his department, the organization and efficiency of the force, and an itemized statement of all the materials, tools and property of every kind belonging to the city, on hand December first, with their estimated value. He shall also at the same time make a return of the fees and perquisites received by him and other members of the police force.

¹ Amended July 15, 1896.

² Amended Dec. 30, 1896.

CHAPTER 21.

PUBLIC LIBRARY.

SECTION 1. The public library department shall be under the charge of a board of seven trustees, to consist of one member of the school committee and six citizens at large to be chosen as hereinafter provided.

Public library department to be in charge of trustees.
P. S. c. 40, §§ 9, 10, 11.

SECT. 2. There shall be appointed by the mayor subject to confirmation by the board of aldermen, annually, in the month of January, or whenever a vacancy may occur, one member of the school committee, to serve as trustee for the municipal year.

Also in January, of each year, two citizens at large shall be appointed by the mayor, subject to confirmation by the board of aldermen, as trustees as aforesaid, to hold office for the term of three years from the third Monday of January of the year in which they are appointed, and in case of a vacancy, for the unexpired portion of the term.

Vacancy.

SECT. 3. Said trustees may elect from their number a chairman and secretary, and four members of the board shall constitute a quorum for the transaction of business: they shall choose annually in the month of January, a suitable person to be librarian, who shall be removable at the pleasure of the board, and shall receive such compensation as the trustees may determine.

Trustees may elect a chairman and secretary.

Quorum.

Shall choose a librarian.

SECT. 4. The trustees shall expend all moneys presented to the library, or appropriated by the city council, for the purchase of books, the improvement of the library, its care, custody, maintenance for usefulness, and its preservation, and the care and repairs of the building. They may establish such fees for the use of the library, and shall make and publish needful by-laws and regulations, to extend the benefits of the institution as widely as practicable throughout the community. All moneys received for the use of the library shall be paid quarterly into the city treasury.

Trustees may expend moneys, establish fees and make by-laws.

All fees to be paid into the treasury.

SECT. 5. The trustees shall present to the city council annually, in the month of December, a report of their proceedings, and a statement of the condition of the library,

Annual report of trustees.

the number of books added during the year, with an accurate account of all receipts and expenditures, together with any other information or suggestions which they may deem desirable.

**Money, how paid
on account of
library.**

SECT. 6. No money shall be paid from the city treasury on account of the library, except by order of the trustees, and in pursuance of an order signed by the mayor; and in no case shall the amount drawn exceed the amount appropriated for the library.

CHAPTER 22.

SEALER OF WEIGHTS AND MEASURES.

SECTION 1. The sealer of weights and measures department shall be under the charge of the sealer of weights and measures. The department shall consist of a sealer of weights and measures and two deputies sealer of weights and measures, who shall hold their respective offices for the term of one year from the first day of April in the year of their appointment subject to removal at any time by the mayor and aldermen.

The sealer of weights and measures shall have general control and supervision of all the public scales in the city, and in case of his absence or inability to his duties from any cause the senior deputy sealer shall exercise said duties. Annually in the month of December he shall make a full report of all matters pertaining to his department with an inventory of all property of the city in his charge.

Sealer of weights
and measures
department to be
in charge of the
sealer of weights
and measures.
P. S. c. 65,
§§ 8 to 25.

Annual report.

¹ Amended Jan. 3, 1902.

² Amended Oct. 24, 1907.

CHAPTER 23.

SEWER.

Sewer department to be in charge of the city engineer.

Common sewer defined.
P. S. c. 50, § 1.
S. 1890, c. 124.

Laying of pipes, etc., not to interfere with sewer.

Pipes, etc., interfering with sewer, to be removed by owner.

City engineer and superintendent of water works to consult.

Superintendent of sewers to be appointed

SECTION 1. The sewer department shall be under the charge of the city engineer. In any street opened, or proposed to be opened, for public travel and accommodation, every sewer or drain laid for the purpose of draining more than one estate, shall be deemed to be a common sewer, and no such common sewer shall be laid or connected with any existing common sewer except by the city, as provided in section three of this chapter.

SECT. 2. Whenever any street is opened for the laying of pipes for water, gas or other purposes, or for the prosecution of any work of construction, such laying of pipes and the work connected therewith, or such work of construction, shall be so executed as not to obstruct, in any way, the course, capacity or construction of a common sewer, and whenever pipes for any purpose, or any work of construction, are found to exist at such a depth or in such location as to interfere with any existing sewer, or with the building of any common sewer of the required size, and at the proper depth and grades, the department, corporation or person maintaining the same, shall, upon notice thereof, at once remove, change or alter said pipe or pipes or other works, in such a manner as the city engineer may direct. If such department, corporation or person neglects to comply immediately with the terms of such notification, the city engineer may make such removal, change or alteration, and the cost thereof shall be paid by such department, corporation or person.

Provided, that whenever any sewer is to be constructed, or any water pipe to be laid, in any street or way, the city engineer and superintendent of water works shall consult with each other in regard to the location of any existing pipes.

SECT. 3. The city engineer shall have the general superintendence of all common sewers built or owned by the city, and of all connections built under the provisions of this chapter; and he shall annually, in the month of June, ap-

point some competent person to take charge of such work of building, repairing and keeping the same in order, as may be required by the city engineer, to whom he shall be subordinate. The person so appointed shall be styled "the superintendent of sewers," shall hold office for one year from the time of his appointment, or until his successor is chosen, and receive such compensation as the board of aldermen may determine. Whenever the office of superintendent of sewers becomes vacant it shall be filled in like manner.

His term of office.

Vacancy.

Plans of sewers.

Catch-basins.

SECT. 4. The city engineer shall make and file in his office, accurate plans of all common sewers, showing all entrances thereto, when made as hereinafter provided. He shall have constant care of, and keep clean and in proper order and repair, all street catch-basins and connecting drains within the limits of any street: *provided*, however, that the superintendent of streets shall keep the entrances to the catch-basins open and clear of ice in cold weather, so as to permit the flow of surface water into them.

SECT. 5. He shall keep, and whenever requested, report to either branch of the city council, an accurate account of the cost and all other expenses upon each common sewer; and he shall annually, in December, submit a report of all work performed in the sewer department during the year, the property under his charge, including the total length and original cost of existing sewers, and the amount of all expenditures from the appropriation for sewers.

Shall keep an accurate account of the cost of each sewer.

Annual report.

SECT. 6. Three-fourths of the average cost of a system of sewers, already determined and found to equal two dollars per running foot, shall be assessed according to law: *provided*, that no estate shall be assessed until it can be drained into the sewer; and no estate shall be assessed more than once for the same benefit. The remainder of the cost of such sewers shall be borne by the city.

Amount to be assessed upon abutters.
P. S. c. 50,
§§ 4, 11.
S. 1886, c. 210.

SECT. 7. The city engineer shall prepare and submit to the board of aldermen plans of the estates to be assessed, showing the owners' names, frontages and areas, together with a schedule showing the assessments on the estates abutting and benefited. Such assessment to be determined as follows: four-tenths of the benefit according to the relative frontage, and six-tenths according to the area of the estate, within one hundred feet of the street in which the common sewer has been constructed; the area of corner lots being measured to the line bisecting the angle formed by the lines of the streets. The

City engineer shall prepare plans of estates to be assessed.

Method of determining assessment.
P. S. c. 50, § 7.

Standard rate.

said four-tenths having been ascertained to be twenty eight cents per front foot, and the said six-tenths having been ascertained to be five and two-tenths mills per square foot, said sums are hereby adopted as the standard rate of assessment.

Amounts assessed to be entered on plan.

SECT. 8. The amounts assessed and certified by the board of aldermen shall be entered upon the plan prepared for assessment.

Drain layers.

SECT. 9. Annually, in the month of January, and at other times whenever necessary, the city engineer shall license such drain layers as apply, and are found competent, who alone shall be authorized to make all openings or excavations in any street for the purpose of constructing and repairing private drains, and who shall construct all entrances into the common sewers. Such persons shall hold their license for one year, unless sooner revoked by the city engineer. No such private drain, if of vitrified pipe, shall be laid of a less size than six inches interior diameter, and if of iron, it shall be not less than five inches internal diameter, and of extra heavy pipe, and the work shall be done as directed by the city engineer.

Drain layers to give bond.

SECT. 10. Every person licensed as provided in the preceding section shall, before performing any work authorized thereby, execute a bond to the city in the sum of two thousand dollars, with two good and sufficient sureties, to be approved by the city engineer conditioned that he shall comply with the terms of the permit under which entrance is made; that he will cause the excavation to be properly fenced during the whole time the street is obstructed; that he will, when necessary, maintain one or more lighted lanterns in a conspicuous place over such obstruction from twilight in the evening and through the whole night; that he will properly make all entrances to the sewers, and will leave no obstruction of any description in the sewer which he may open; that he will properly close the excavation, restore the earth and pavements taken up, and re-grade and re-pave that part of the street which has been excavated, and keep it in a good and satisfactory condition for a period of one year thereafter, and that if he fails to do so, the street may be repaired by the street department and the expense thereof charged to him; and that he will repay the city such expense, and that he will indemnify and hold harmless the city from any damage or cost to which it may be put by reason of injuries resulting to any one from neglect or carelessness in making or repairing such drain, or

Conditions of bond.

in properly fencing or lighting any excavation or obstruction, or in performing any other work connected therewith.

SECT. 11. No private drain shall be entered into any common sewer, or into any private drain connected with any common sewer, without a permit in writing from the city engineer; and on the completion of the work, the permit shall be returned to the office of the city engineer, indorsed by the layer of the drain, with a statement of his proceedings thereunder. The city engineer is authorized to grant such permits for estates which abut on the sewer into which an entrance is desired. Each permit shall be subject to the provisions of this chapter, and shall state in detail the premises to which it applies, and the time, place, manner and construction of such entrance. Each permit may, at the discretion of the city engineer, be subject to the condition that such entrance be made in the presence of any inspector appointed by the city engineer. No private drain from any estate or part of an estate not already assessed, or not liable to assessment for the cost of the sewer, shall be entered into such sewer, except by the consent of the board of aldermen.

SECT. 12. The city engineer, under the direction of the board of health, is authorized to permit, under such restrictions as said board may deem expedient, the construction of sufficient passage ways or conduits under ground for the purpose of conveying the liquid contents of any vault into any common sewer.

SECT. 13. No drain connecting with a common sewer, subject to the action of tide-water, shall be constructed without a plug or clapper to prevent completely the reflux of drainage matter, and storm or tide-waters.

SECT. 14. All drains not now built in accordance with the requirements herein, shall be reconstructed so as to conform thereto, whenever, in the opinion of the board of aldermen, it may be necessary.

SECT. 15. No exhaust from a steam-engine and no blow-off from a steam boiler, shall be connected with any common sewer or private drain.

¹SECT. 16. Whoever cuts into, interferes with or obstructs a common sewer, or enters a private drain therein, except as herein provided, or places or deposits in any street catch-basin or common sewer, any animal or vegetable matter or any other filthy substance, solid or liquid, or any naphtha, gasolene or other explosive or dangerous substances, or violates any of

No private drain shall be entered into sewer without permit.

Permit may be subject to conditions.

City engineer authorized to permit, under direction of the board of health, conduits from any vault to a sewer.

Plug, etc., to prevent reflux of tide water.

Drains shall be reconstructed, etc.

Exhausts from steam engines.

Penalty for interfering with or obstructing a sewer.

the provisions of this chapter, shall be liable to a penalty of not less than five dollars and not more than fifty dollars.

Plans of sewers,
where to be kept.
P. S. c. 50 § 14.

SECT. 17. Plans and descriptions of all common sewers belonging to the city, with a true record of the charges for making and repairing the same, and all assessments therefor, shall be kept in the rooms occupied by the city engineer. Said rooms shall be, for the purposes of this chapter, a part of the office of the city clerk.

CHAPTER 24.

1 SINKING FUND.

SECTION 1. The sinking fund department shall be under the charge of the board of sinking fund commissioners as now constituted, and shall consist of six members. No member of the city council shall be a member of this board.

SECT. 2. Said board shall have the custody, care, control and management of all funds created for the payment or redemption of the city debt, including the fund for the payment of the principal and interest of the Cambridge water loan.

SECT. 3. The board shall, at the close of each financial year, certify to the city auditor the amounts required to be raised by taxation for the several funds, which shall be put into the yearly appropriation the next succeeding year.

SECT. 4. For sinking funds to redeem at maturity such several authorized loans of the city, there shall be annually appropriated and raised by taxation, on account of loans made for ten years, a sum not less than eight and one-half per cent thereof; on account of loans made for twenty years, a sum not less than three and one-half per cent thereof; and on account of outstanding loans made for thirty, a sum not less than two per cent thereof; and on account that may hereafter be made for forty years, a sum not less than one and one-eighth per cent thereof; and all amounts so raised by taxation shall annually, on or before the thirtieth day of November, be paid by the city treasurer to such board. And whenever any payment is so made before the thirtieth day of November, interest shall be paid thereon, by the commissioners of the sinking funds, from the time of said payment until the thirtieth day of November, at such rates as the committee on finance shall from time to time determine.

SECT. 5. The board shall furnish to the city treasurer from the sinking funds a sum sufficient to meet any city debt at the time of its maturity.

Board to
furnish city
treasurer sums
required to
pay debts due.

SECT. 6. This ordinance, so far as its provisions are the same in effect as those of previously existing ordinances, shall

¹ Amended June 26, 1900.

be construed as a continuation of these ordinances. This ordinance shall not affect any act done, any right accruing, or any term of office of the existing board of sinking fund commissioners appointed under the provisions of chapter 23 of the revised ordinances of 1892, or any suit, prosecution or proceeding pending.

SECT. 7. Except as otherwise provided in section 6 of this ordinance, chapter 23 of the revised ordinances of 1892, all ordinances in amendment thereof and supplementary thereto, and all other ordinances and provisions of ordinances inconsistent with the provisions of this ordinance, are hereby repealed.

CHAPTER 25.

STREET.

SECTION 1. The street department shall be under the charge of the superintendent of streets, who shall hold his office for the term of one year from the first day of May in the year of his appointment and until his successor shall be appointed.

Street department to be in charge of the superintendent of streets.
1891, c. 364,
§§ 9, 10.

SECT. 2. The superintendent of streets shall, under the direction and control of the mayor, have the general care and charge of the highways, streets, bridges and public squares belonging to the city, and shall attend to the making, mending and alteration thereof, and cause the same to be kept in good repair, so as to be safe and convenient for travellers, with their horses and carriages at all seasons of the year. He shall place suitable street signs on each street at convenient distances apart. He shall keep the entrances to catch-basins open and clear of ice in cold weather so as to permit the flow of surface water into them. He shall see that the highways and streets, and sidewalks are kept in good order, and that all nuisances and obstructions therein are forthwith removed, or give notice thereof to the mayor or chief of police,¹ and he shall remove all snow from the sidewalks and walks around the several schoolhouses in this city. And in case of the blockade or obstruction of any street, the person causing such blockade or obstruction shall forthwith notify the superintendent of street and the chief of police thereof.

His powers and duties.

SECT. 4. He shall have the right to hire, and the general control of, all persons employed in his department, and shall have the custody and management of the horses, carts, stables, shops, sheds and all other property connected with the street department, and shall keep the same in good condition and repair; and he may make all authorized contracts for the supply of any labor or materials required in the discharge of his official duty. He shall annually, in the month of December, present to the city council a report showing the detailed expenses, the material and other property on hand, a detailed

Obstruction of street.

Shall hire and control employees, etc.

Shall make all contracts.

¹ Amended Nov. 4, 1904.

account of work done, and other facts in relation to his department.

Highways, etc., when unsafe shall be fenced off.

Shall be lighted at night.

Superintendent to notify other departments, etc., of proposed construction of opening of streets.

SECT. 6. Whenever any highway, street or bridge is from any cause unsafe or inconvenient for travellers, he shall forthwith put up a suitable fence across such highway, street or bridge, and exclude all travellers from passing over the same; or cause the parts thereof, so rendered unsafe and inconvenient, to be enclosed by a sufficient fence, which shall be kept standing so long as the same remains unsafe and inconvenient; and he shall also fix one or more lighted lanterns to such fence, or in some other proper manner, to be there kept every night, from twilight in the evening, through the night, so long as such fence is kept standing.

SECT. 7. Whenever the superintendent of streets is about to construct a new street, or to break up the surface of any street, he shall, at least two weeks before beginning work, notify the city engineer, as head of the sewer department, the superintendent of lamps and the water board, the Cambridge Gas Light Company and the West End Street Railway Company. If either of these departments or corporations has any work to be done in the street so designated, it shall consult and arrange with the superintendent of streets, in order that such work may be done before the surface of such street is again prepared for and open to public travel. After such notice and opportunity have been given, neither of the three departments of sewers, lamps or water, nor said corporations, shall, for the space of six months, break up such street within the area of such previous disturbance, except in case of obvious necessity, to be certified to and approved by the mayor.

Street Names and Numbers.

Names of streets.

SECT. 8. The several streets in the city shall continue to be called and known by the names heretofore given to them, until such names are altered by the city council. The city council shall give names to all streets hereafter laid out and may change the name of a street at any time,¹ except that no street shall be given the designation of any existing street, and no street shall be accepted so long as the name thereof is the same as that of any existing street.

Street numbers.

SECT. 9. The board of aldermen may order numbers in regular series, at the expense of the owner or occupant, of such form, size and material, and in such mode, place, suc-

¹ Amended March 22, 1901.

sion and order, as it may determine, to be affixed to or inscribed upon, all buildings on any street. Any owner or person having the control of any such building, refusing or neglecting so to affix to, or inscribe upon the same, the number designated by the board, or allowing any other number to remain thereon more than one week after notice so to affix or inscribe, shall be liable to a penalty of not less than one dollar and not more than twenty dollars.

Excavations, Obstructions and Projections in Streets.

SECT. 10. No person shall break or dig up the ground or stones in any street or on any sidewalk, or erect any staging for building, or place or deposit any stone, bricks, timber, or building materials thereon, or otherwise occupy, obstruct, or encumber the same, without first obtaining a written license from the superintendent of streets for that purpose, and complying in all respects with the conditions of such license.¹ No gas-pipe, water-pipe, sewer, conduit, street railway track, pole, nor any other structure, except wires, shall be placed beneath, upon or above any public street or way, except upon a location and at a grade approved by the city engineer, or authorized by the board of aldermen.

Within sixty days after the completion of the work so approved or authorized a final plan showing accurately in detail the lines, grades and construction of the work as finished, shall be filed in the office of the city engineer. If required by the city engineer, a preliminary plan showing the proposed location and grade of the structure shall first be filed in his office."

Any person violating the foregoing provision shall be subject to a penalty of twenty dollars for each offence and shall remove any structure placed contrary to the provisions of this section if required so to do by the city engineer, and upon failure so to do the city engineer may make such removal or change, and the cost thereof shall be paid to the city by the person or department owning or controlling the structure.

SECT. 11. The superintendent of streets may grant licenses in writing to persons having authority in the premises to open, occupy, obstruct, encumber and use parts of any street or sidewalk, and every such license shall specify the time, place, size and use of such opening, occupation or obstruction, and the time within which the street must be put in a condition satis-

No street to be
obstructed with-
out license.

¹ Amended July 22, 1902.

Obstruction to be fenced.

Fences to be lighted.

Foot path to be maintained.

Streets requiring repaving and resurfacing within one year from time of excavation.

factory to the superintendent of streets, and each license so granted shall be upon the condition that the person accepting the same shall conform to the statutes and ordinances of the city in force, and that may thereafter be in force, and to the specifications in the license; that the license may be revoked at any time by the superintendent of streets; that before performing any work authorized by said license the party licensed shall execute a bond to the city conditioned as required by the ordinances of the city, and subject to the additional condition that he will cause the excavation and obstruction to be properly fenced during the whole time the street is opened and obstructed; that he will place and maintain from the beginning of twilight, through the whole of the night, over or near the place so occupied, opened, obstructed or used, and over or near any dirt, gravel or other material when thereupon or to be used by him, a light or lights fixed to said fence or in some other proper manner sufficient to protect travellers from injury; shall place and maintain a safe and convenient way for the use of foot travellers, and a safe and convenient passage for public travel around or over such place; that if he does not, within the time prescribed by said superintendent, put the street into good condition, satisfactory to said superintendent, he will pay whatever sum the said superintendent shall expend for putting it into good condition, and that he will deliver up the license to the superintendent of streets on or before the expiration of the time fixed in the license for completing the work or any extension or extensions of the same. Said superintendent may, in addition to said specifications, specify in the license, or after the issuing thereof, in writing, the kind of rail or fence to enclose the place, and the kind of way over or around such place, and the manner of constructing the same; and nothing herein contained shall be construed to prevent the insertion in the license of any other specification deemed advisable by the superintendent of streets.

Should any portion of the street which has been excavated require repaving or resurfacing within a period of one year from the time it has been disturbed, the superintendent of streets, shall, by mail, postage prepaid, notify in writing the person applying for the license under authority of which the disturbance was made, to forthwith make such repairs as, in the opinion of said superintendent, are necessary; and in case of the failure of the said person to make such repairs within twenty-four hours after the sending of such notice aforesaid

to the last known address of such person, the superintendent of streets shall then have the right to make such necessary repairs, and the expense of the same shall be paid by the said person, and all amounts received by the city collector for work done or materials furnished under the direction of the superintendent of streets, as above authorized, shall be placed to the credit, and to be used as a part, of the appropriation of the street department.

Superintendent
to make necessary repairs.

Whenever any street is opened, occupied, obstructed or encumbered by any department of the city, or any corporation or person, the superintendent of streets shall prevent any unnecessary obstruction while the work is in progress, and shall see that the street is repaired and put in good order when the work is completed. If the street is not repaired to his acceptance he shall forthwith put the same in good order, and shall render a bill for the expense of such repair to the department, corporation or person whose duty it was to repair the street. All openings made in the street for any purpose whatever shall be filled back in layers six inches in depth, and each layer shall be properly rammed and, when necessary, shall be wet down to prevent settling of the filling.

Superintendent
to prevent unnecessary obstructions.

Streets to be put in proper repair.

Openings in streets, how repaired.

Before any license hereinbefore described is delivered to any person for the applicant therefor, such person, unless he is an employee of the city, employed on public work, shall certify that a copy of the license entered in a book kept for the purpose is a correct copy of the license he received, and the applicant, unless the application is made in behalf of a department of the city or by a person who has given bond and who applies for a license in accordance with the provisions of chapter 22 of the revised ordinances of 1892, shall give a bond in the sum of one thousand dollars with one or more sureties conditioned to the faithful observance of the condition and specifications of every and all such licenses issued to the applicant, and the superintendent of streets may at any time require a new bond which shall be considered a strengthening bond, unless the sureties on the former bond are expressly released from their liability by vote of the city council.

Bond to be given before license is delivered.

Whenever any department of the city, or any corporation or person, shall lawfully make any opening or cause any obstruction in any street, such department, corporation or person shall be held responsible for any damages that may result from such opening or obstruction for a period of one year from the time of making the same.

Notice of obstruction or opening to be given to superintendent.

Violations of conditions of license.

Said superintendent shall not issue any such license to a person who has within one year previous to his application violated or failed to observe the conditions or specifications of any such license without special authority of the city council.

Defects in public ways.

Said superintendent shall keep a record of the notices of defects sent to him, with the name of any person giving the notice, and the time when given, and he shall without delay cause the locality of the alleged defect to be examined, and, if the defect is of such a character as to endanger the safety of public travel, shall do whatever may be necessary to prevent the public from injury by the defect, and cause it to be immediately repaired; and every person in the employ of the city shall send to said superintendent notice of every defect of which he has any knowledge.

Licenses to persons repairing water pipes, etc.

SECT. 12. Said superintendent shall grant such a license to a person who presents a license from the water department to repair or lay water pipes, and to a person who presents a license from the superintendent of lamps to connect with the lamps or pipes of the city.

Licenses for raising and lowering goods, etc., into and from buildings.

Said superintendent may grant to competent persons engaged in the business, licenses to occupy and use certain portions of the streets for the purpose of raising and lowering goods and merchandise into and from buildings, on condition the terms of which shall be those stated in section 11 of this chapter, so far as the same may apply, and in addition that the person applying for the license shall maintain, during the whole time the work is in progress, good and sufficient barriers across the sidewalk, from the wall of the building to or from which they are so raised, out to the curbstone or edge of the sidewalk, on each side of said goods or merchandise, sufficient to protect travellers from injury or danger; and that he will not encumber the sidewalk for more than fifteen minutes at a time for such work.

Lights not to be extinguished.

SECT. 13. Whoever maliciously or wantonly, and without legal cause, extinguishes or diminishes a light fixed in accordance with the provisions of section six, or of section ¹eleven, shall be liable to a penalty of not less than ten nor more than twenty dollars.

Penalty.

SECT. 14. No person shall make, erect or maintain any gate or door in or upon any street in such manner that, when opening the same, it shall swing over such street.

Gates or doors not to swing outwards.

SECT. 15. No person shall make, erect or maintain any Doorsteps,
porticos, en-
trances to base-
ments, etc.,
regulated. doorstep, portico, porch, entrance or passage-way to any cellar or basement or any other structure, in or upon any street, without permission in writing, from the superintendent of streets when authorized by the board of aldermen. No person shall suffer the platform or grate of the entrance or passage-way to his cellar or basement in any street, to rise above the even surface of such street; and every such entrance or passage-way shall either be kept covered by a suitable and substantial platform or grate, or, in case it is kept open, it shall be guarded and protected by a sufficient railing, on both sides thereof, at least two feet and a half high, and well lighted at night.

SECT. 16. If any person digs or sinks or causes to be dug or sunk, any well, cistern, drain or other cavity in the ground, near to or adjoining any street, he shall put up and at all times keep up, so long as it is necessary for the purpose, a railing or fence, on or near the line of such street, sufficient to guard and protect travellers and passengers from falling into said well, cistern, drain or other cavity. Fences shall be
built around
wells, cisterns,
etc., in streets.

Use of Streets.

SECT. 17. No person shall move, or assist in moving, any building through or upon any street, unless a written license Removal of
buildings.
P. S. c. 53, § 17. therefor has been first obtained from the superintendent of streets upon the authority of the board of aldermen, specifying the terms and conditions on which such removal may be made. No such license shall be authorized without public notice and opportunity for hearing. No person thus licensed shall act under his license until he has filed with the superintendent of streets a bond, with sufficient surety, satisfactory in amount to the mayor, to indemnify the city from all loss and damage by reason of such removal. No building shall be removed Bond. through any street until the chimneys of the building have been taken down even with the roof. Chimney to be
taken down.

SECT. 18. No person shall run a snow-plow or remove snow from the tracks of a street railway in the streets of the city, unless he removes from such streets, outside of the tracks and between the rails and the sidewalks an amount of snow sufficient to make such streets safe and convenient for public travel; and all removal of snow from the streets by a street railway corporation shall be done under the direction and to the satisfaction of the superintendent of streets. Snow from
railway tracks
to be removed.
P. S. c. 113, § 27.

Salt shall not be used on railway tracks.
P. S. c. 113, § 27.

Rubbish, etc., shall not be placed in street, except.

Fuel not to remain unnecessarily on sidewalk.

Snow or ice thrown in street shall be broken up.

Sidewalks, by whom to be kept in repair.

SECT. 19. No person shall, for the purpose of melting snow on the tracks or rails of a street railway, sprinkle any salt or other article of a decomposing nature thereon or cause or allow such sprinkling to be done; nor shall any person for such purpose wash street railway tracks or rails or cause them to be washed with brine or pickle except by the written permission of the superintendent of streets.

SECT. 20. No person shall deposit in any street except as herein otherwise provided, any dead shrub or tree, trimmings of shrubs or trees, post, pole or other article, earth from cellars, or any rubbish, unless the same shall be immediately removed therefrom, at the expense of the owner or other person making such deposit; *provided*, that during the months of April, May and November in each year, owners or occupants of premises may, on twenty-four hours' notice to the superintendent of streets, obtain the removal of such dead shrubs and trees or trimmings of shrubs and trees as may have accumulated therein, the same being deposited in the street against the sidewalk adjoining said premises.

SECT. 21. No person shall suffer his fire-wood, coal or other fuel, in any quantity, to remain unnecessarily in any street over-night, or after twilight in the evening. If the same must, of necessity, remain after twilight, or through the night, the owner thereof shall place and keep a sufficient light over or near the same through the night, in order to give notice thereof to travellers.

SECT. 22. Whoever throws or puts, or causes to be thrown or put into any street, any snow or ice, shall cause the same to be broken into small pieces and spread evenly over the surface of such street. But no snow or ice shall be thrown or put into any street or upon any bridge, contrary to the orders of the superintendent of streets.

Sidewalks.

SECT. 23. All sidewalks shall be kept in repair at the expense of the city; *provided, however*, that all such repairs of the same as shall be rendered necessary by any act of the owner or occupant of the adjoining land or by any defect in the buildings thereon or by any other cause under the control of such owner or occupant, shall be made by such owner or occupant; and if he neglects to make such *repairs*, the same shall be made by the city, at his expense.

SECT. 24. The city clerk shall enter, in a book kept for the purpose, the names of all the streets in the city, alphabetically arranged; and also a list of all sidewalks, the date of the acceptance, and the names of the owners of the adjacent estates.

Record of
streets and
sidewalks.

SECT. 25. No person shall place upon any sidewalk any board or plank walk, without first obtaining a written license from the superintendent of streets authorized by the board of aldermen; and walks hereafter laid under authority of such license shall be not less than three feet wide, and made in sections not more than twelve feet long, of spruce or pine lumber, of uniform thickness of not less than one nor more than two inches; and each section shall be cross-tied every three feet in length, with two by four-inch joist. Such walks shall be constructed in accordance with a plan in the office of the city engineer, shall be subject to the approval of the mayor, and shall be removed whenever in the judgment of the board of aldermen public safety and convenience requires such removal; *provided*, that exceptions may be made in relation to the requirement concerning the width of plank walks, in cases where the sidewalk is too narrow to admit of the prescribed width and in such cases the board of aldermen may make and allow any necessary change.

Plank walks
on sidewalks.

Plank walks, authorized as hereinbefore provided, shall be laid and kept in proper condition by the respective owners thereof, and the same shall be taken up by such owners during the spring months whenever the superintendent of streets shall so direct.

SECT. 26. No person shall make, or cause to be made, any aperture in or under any street or sidewalk, for the purpose of constructing a coal hole, or receptacle for any other article, or for light and air, or for any other purpose, without the license of the superintendent of streets auhorized by the board of aldermen; and no person shall leave such coal hole or aperture open or unfastened, except while actually in use. No coal hole in a sidewalk shall be made or maintained more than eighteen inches in diameter, nor excepting the cover therefor is made of iron with a rough upper surface and with three or more iron rods or legs at least two feet in length fitting closely to the under side of the cover, and so constructed that while the cover can be lifted perpendicularly, it cannot be tipped or easily removed from the opening.

Coal-holes, etc.

Size of cover.

Kind of cover.

SECT. 27. No person shall insert a sign in a sidewalk with-

Signs shall not be placed in sidewalks.

Conductors from roof shall not direct water on sidewalk.

Ashes and other house dirt, removal of.

Snow shall be removed from sidewalks.

out the permission of the superintendent of streets authorized by the board of aldermen; and no person shall permit a leader or conductor from the roof of a building owned by him to be so placed or maintained as to direct a volume of water upon or across the surface of the sidewalk.

¹⁻² SECT. 28. Whoever desires the removal of ashes accumulated from the burning of materials for heating or domestic purposes only, and other waste house dirt, not including house offal, waste paper and other light material, shall cause the same to be put in suitable boxes or barrels and set in an easily accessible place in the yard adjoining the premises, or if there is no yard to the premises, then such boxes or barrels shall be placed upon the sidewalk only on the morning of the day of collection, and the superintendent of streets shall cause such removal to be made at least once in each week, on stated days for different portions of the city; but such boxes or barrels shall not be placed upon any sidewalk so as unnecessarily to prevent the convenient use thereof by travellers. Whoever desires the removal of waste paper and other light material shall cause the same to be put in suitable receptacles and separate from the ashes and other house dirt, and set as provided in the case of ashes and other house dirt, and the same shall be removed by the superintendent of streets. No owner or occupant of land shall permit waste paper or light material to escape upon the highways of the city. Wherever there is a convenient driveway into a yard connected with any dwelling-house the superintendent of streets may, at his convenience and upon reasonable notice, cause the city teams to be driven into such yard and to remove therefrom the ashes and rubbish before mentioned that may be accumulated therein, at the times hereinbefore specified.

SECT. 29. The tenant or occupant, or any person having the care of a building or lot of land bordering on a street where there is a sidewalk or footway, or, if there is no tenant, occupant or other person having the care of the whole of such building or lot, the owner thereof, shall, within twelve hours after snow ceases to fall in the daytime, and before one o'clock on the afternoon after a fall of snow during the night, cause all snow that may be on such sidewalk or footway to be removed therefrom; and if he fails so to do, he shall be liable to a penalty of not less than two nor more than ten dollars;

¹ Amended April 4, 1900.

² Amended June 26, 1900.

and for each and every hour thereafter during which such snow remains on such sidewalk or footway, he shall be liable to a further penalty of not less than one nor more than ten dollars. The provisions of this section shall apply to snow which falls from buildings as well as to that which falls from the clouds.

Penalty.
P. S. c. 53, § 7.

SECT. 30. When any portion of a sidewalk is encumbered with ice, the tenant or occupant, or any person having the care of the building or lot of land adjoining such sidewalk, or, in case there is no tenant, occupant or other person having the care of the whole of such building or lot, the owner thereof shall cause such sidewalk to be made safe and convenient by removing the ice therefrom, or by keeping the same covered with sand or some other suitable substance; and if such tenant, occupant, owner, or other person neglects so to do for the space of six hours during the daytime, he shall be liable to a penalty of not less than two nor more than ten dollars, and to a like penalty for each and every succeeding day during which such sidewalk continues to be so encumbered.

Ice to be removed from sidewalk or covered with sand, etc.
P. S. c. 53, § 7.

SECT. 31. When a tenement-house or other building is used or occupied by more than one tenant, the owner or person having the care of such house or building shall cause the snow and ice to be removed from the sidewalk or footway adjoining such house or building, in the manner provided in the two preceding sections, and in default thereof shall be liable to the same penalties as are therein provided.

Penalty.

Removal of snow and ice where more than one tenant occupies house.

SECT. 32. Any person licensed under the provisions of sections ten and eleven of this chapter, whenever so ordered by the mayor or the superintendent of streets, shall erect and maintain in good condition, day and night, a temporary sidewalk abutting upon that part of the street which he is licensed to use and obstruct, not less than three feet in width, made of sound planks not less than five inches wide and one and a half inches thick, spaced apart one-half an inch, securely fastened to cross-bearers not less than four inches square, and placed at intervals not exceeding four feet. Such walk is to be properly levelled and made, and kept safe and convenient for travellers. Such walk may be laid in sections not less than eight feet in length.

Person licensed to enter upon street shall maintain a temporary sidewalk.

SECT. 33. No canopy, awning, shade, shade-frame or shade-curtain, unless constructed of cloth or canvas attached to an iron frame, securely fastened and supported from above,

Awnings, shades, etc.
P. S. c. 25, § 24.

and no part less than ¹ seven feet above the level of the sidewalk over which it is placed, shall hereafter be erected or maintained within the limits of any street, without permission of the superintendent of streets authorized by the board of aldermen.² And no clothes dryer or clothes line, and no clothes or garment shall be hereafter placed or hung over a sidewalk or within the limits of any street without such permission. All permissions given under this section shall be in writing, signed by the superintendent of streets.

Person maintaining any coal hole or other excavation under any part of a street, or pole wire, conduit, etc., shall save the city harmless from all loss, etc.

SECT. 34. Every owner of an estate hereafter maintaining any cellar, vault, coal hole or other excavation under the part of the street adjacent to, or which is a part of, his estate, shall do so only on condition that such maintenance shall be considered as an agreement on his part to hold the city harmless from any claim for damages to himself or the occupants of said estate resulting from gas, sewage or water leaking into such excavation, and every such owner, and every owner maintaining a post, pole or other structure in or over a street, or a wire, pipe, conduit or other structure under a street, shall do so only on the condition that such maintenance shall be considered as an agreement on his part to keep the same and the covers thereof in good repair and condition, at all times during his ownership, and to indemnify and save harmless the city against any and all damages, costs, expenses or compensation which it may sustain, or be required to pay by reason of such excavation or structure being over, under, or in the street, or being out of repair during his ownership, or by reason of any cover of the same being out of repair or unfastened during his ownership.

Powers of Surveyor of Highways.

Surveyor of highways.

SECT. 35. The provisions of this chapter shall not be taken or construed as limiting in any manner the legal rights and duties of the surveyor of highways to order such alterations and repairs in streets as he may deem that the safety and convenience of the inhabitants require.

¹ Amended June 16, 1898.

² Amended June 30, 1893.

CHAPTER 26.

TREASURY.

SECTION 1. The treasury department and the collection of taxes shall be under the charge of the city treasurer, who shall be *ex officio* the collector of taxes. He shall hold his office for the term of one year, from the first day of March in the year of his election and until his successor is appointed and qualified. He shall receive, receipt for and have the care and custody of the current funds of the city and also of all moneys, property and securities which may be in his charge by virtue of any statute or ordinance, or by virtue of any gift, devise, bequest or deposit. He shall negotiate all loans authorized by the city council, and shall sign all bonds, notes and certificates of indebtedness issued for loans to the city, authorized by the city council. As collector of taxes he shall have all special powers conferred on a treasurer appointed collector by a vote of the city council. He may be elected by the board of commissioners of sinking funds, to serve as the treasurer of said board, and in such case shall receive in addition to his salary fixed for said office.

Treasury department to be in charge of city treasurer.

Appointment.
S. 1891, c. 364,
§ 20.

General duties.
P. S. c. 27,
§§ 28, 123.

He may be elected treasurer of commissioners of sinking fund.
P. S. c. 29, § 10.

Whenever the office of city treasurer shall be vacant, the city council shall fill the vacancy in the same manner as provided for the annual election.

SECT. 2. The treasurer shall pay all drafts, checks and orders directed to him from the auditing department as provided by ordinance, for the payment of demands against the city; shall, on presentation pay all executions against the city duly certified as correct by the city solicitor; also, all bonds issued by the city, and the interest on the same as they or it becomes due; shall cancel all bonds and coupons and immediately transmit to the city auditor the bonds, coupons and executions so paid.

Shall pay all drafts, etc.

Shall cancel all bonds.

SECT. 3. The treasurer shall use and apply in such manner as the city council may direct, all property, money and securities in his possession at the close of each financial year. The financial year shall begin with the first day of December in each year.

Property, etc., in his possession November 30.

Financial year.
S. 1891, c. 364,
§ 38.

Shall receive
money for the
care of lots in
Cambridge
cemetery.

Interest on
cemetery fund.

Receipts from
dog licenses.

Such moneys
to be added to
appropriation.

Bond.
P. S. c. 27,
§§ 91, 92, 105.

In case of death,
etc., new bond.

Failure to give
new bond.

Shall collect all
rents, water-
rates, etc.

SECT. 4. The treasurer shall receive and have the care and custody of all sums of money paid by persons for the perpetual care of lots in the Cambridge cemetery, and give the vouchers of the city therefor. He shall notify the superintendent of the cemetery of all such payments together with a description of the lots and graves on account of which such payments are made, and annually, at such times as the board of commissioners of the Cambridge cemetery requests, shall pay over to them six per centum as interest upon all sums so paid to and received for by him previous to December thirtieth, eighteen hundred and eighty-five, and four per centum upon all sums paid to and received for him thereafter. He shall invest such moneys in some safe manner, and pay the amount of interest realized thereon into the city treasury. The fund created by such payments shall be denominated "the cemetery fund for the perpetual care of lots."

SECT. 5. The treasurer shall receive all sums of money paid under the provisions of the one hundred and seventh section of chapter one hundred and two of the public statutes of the commonwealth, and shall forthwith credit the amount of such money to the appropriation for the public library.

SECT. 6. The treasurer shall give a bond in such form as the city solicitor shall approve, with sufficient sureties, to be approved by the mayor in a sum not less than forty thousand dollars, which bond shall be executed, approved and delivered before he enters upon the duties of his office, and within ten days after his election. Should he fail to give such bond within the time herein required, the election shall be void and a new election shall be had forthwith. In case of the death or insolvency of any of the sureties on any bond so given, the treasurer shall immediately notify the mayor and give a new bond with sufficient sureties or surety, which new bond shall be a strengthening bond, unless the sureties on former bond are expressly released from further liability by order of the city council; and if he fails to give such new bond within a reasonable time after notice to do so, it shall be sufficient cause for removal from office.

SECT. 7. The treasurer shall be the collector of all rents, water-rates and other sums payable to the city, not otherwise specially provided for. He shall, in the month of April in each year, notify all persons assessed for the use of water that the annual bills for water-rates are due and payable at his

office on the first day of May; and he shall give notice of and collect all other bills on account of the water-works, which may, from time to time, be placed in his hands by the water registrar. He shall supply to the water registrar daily, a true record of his receipts on account of the water-works, with the number and amount of each bill collected.

Shall report daily receipts to water registrar.

SECT. 8. He shall keep, in books provided for that purpose, an accurate and true account of all his receipts and payments as city treasurer and collector of taxes, making the same conform as nearly as may be with the accounts kept by the city auditor. He shall credit each department or account with all sums received on its account and shall charge to each all sums paid out on such accounts. He shall not pay any money out of the treasury except upon orders of the mayor drawn in the form prescribed in chapter four, section three, or except for special purposes as provided in the fifth and sixth sections of that chapter. He shall annually, in December, report to the city council a written statement, in detail, of receipts and expenditures for the year ending November thirtieth and submit a copy thereof to the mayor and the finance committee.

Shall keep a record of receipts and payments.

SECT. 9. He shall, on the first day of every month, report to the auditor a written statement, in detail, of all his collections, receipts and disbursements during the preceding month, with the names of persons of, or to whom and on what account the same were received or paid. It shall be sufficient, in reporting the receipts for taxes, assessments and water-rates, to state the amount received, and the particular warrant, assessment or account upon which the collection was made. He shall also report a true record of all discounts, abatements and repayments allowed during the month on taxes, assessments, water-rates or other accounts.

Shall not pay money out of the treasury except.

Annual report.

Shall report to the auditor monthly.

SECT. 10. Whenever any assessments for defraying the expenses of constructing or repairing common sewers, or of completing sidewalks, are delivered to the treasurer for collection, he shall forthwith make a demand in writing for the payment of said assessments; and, if any such assessments remain unpaid for three months after such demand, and no notice of apportionments, or request therefor be filed in his office, he shall collect the same according to law. Whenever the amount due and payable on any mortgage belonging to the city is paid to the treasurer, he shall certify the same forthwith to the mayor.

Sewer and sidewalk assessments.
P. S. c. 50,
§§ 4, 11.

Payments on mortgages.

Pay-rolls of employees.

SECT. 11. After heads of departments shall have furnished weekly pay-rolls of such employees in their respective departments as are entitled by law to be paid weekly, and shall have furnished monthly pay-rolls for all other employees stating the name and residence of each employee, the time for which payment is to be made, the rate of wages and the amount due him, and after such pay-rolls shall have been properly approved and certified, the treasurer shall, in person, or by his clerk, make payment to such employee, his authorized agent or attorney, and shall take therefor the receipt of no other person than such employee, agent or attorney. The treasurer shall pay all employees of the city, whose names are borne upon such pay-rolls, either in person at the city hall, or by sending a clerk or paymaster to pay such persons at the place where they are employed. He may also make the necessary arrangements for the transportation of such clerk or pay-master to the place as aforesaid.

Where paid.

Transportation of pay-master.

Salary of treasurer.

Fees, etc., to be paid into the treasury.

Shall report monthly to the auditor all fees, etc., received.

To be reimbursed for expenses incurred in collecting taxes.

Collection of taxes.
S. 1892, c. 168.
S. 1888, c. 390.

SECT. 12. The treasurer shall receive such salary as the city council shall from time to time determine, which shall be in full compensation for all services rendered in his official capacity as city treasurer and collector of taxes. All fees, charges and commissions of every kind allowed by law, for the collection of taxes, betterments, rates and assessments of every kind, to the treasurer and collector of taxes shall be collected and paid by him into the treasury, and shall become the property of the city. At the end of each month he shall make and give to the auditor a written statement, subscribed by him, of all fees, charges, costs and commissions of every kind and description, allowed by law and received by him or any deputy collector acting under authority of law by his appointment, for collection of taxes, rates, betterments, assessments or otherwise, during that month; and shall certify thereon that all moneys so received by him or them have been paid into the treasury. He shall be allowed such reasonable sums, from time to time, as will reimburse him for expenses necessarily incurred in the employment of deputy collectors, sheriffs, deputy sheriffs or constables, in the collection of poll or personal taxes.

SECT. 13. The treasurer shall, as soon as possible after receiving any tax list and warrant, send a notice to each person assessed, resident and non-resident, of the amount of his tax. If he shall send such notice through the mail he shall postpay and direct the same to the city or town which was the place of

residence of such person on the first day of May of the year in which the tax was assessed, and if to a resident of this city, shall direct it to the street and number of his residence, if possible.

SECT. 14. When the treasurer receives from the assessors tax lists for poll taxes assessed on persons who are assessed for a poll tax only, he shall immediately send a notice to each person so assessed, and if he shall send such a notice through the mail he shall postpay and direct the same as in the case of the notice provided for in the preceding section. If such poll tax be not paid at once, the treasurer shall forthwith proceed to collect the same in the manner provided by the laws of the commonwealth for the collection of taxes from delinquents.

Collection of
poll tax.
P. S. c. 12, § 2.

SECT. 15. Upon all taxes remaining unpaid upon the tenth day of October, interest shall be charged at the rate of six per cent. per annum, and on the first day of November the treasurer shall issue his summons to all delinquents, that, if their taxes are not paid within ten days from the date thereof, with twenty cents for said summons, he will then proceed to collect the same according to law; and he shall give notice by attaching this section to all tax bills.

Rates of
interest on
unpaid taxes.

Summonses
for unpaid taxes.

SECT. 16. The treasurer shall, during the first week of each month, render to the mayor a statement of his receipts and payments for the month preceding, together with a summary of the items of his receipts and payments for the current financial year up to the close of the preceding month.

Shall render a
monthly state-
ment to the
mayor.

CHAPTER 27.

WATER-WORKS.

Water-works department to be in charge of the water board. 1891, c. 364, §§ 9, 10.

Appointment and term of office.

President.

Clerk.

Powers of board.

SECTION 1. The water-works department shall be under the charge of the Cambridge Water Board, which shall consist of five persons, to be appointed by the mayor, subject to the confirmation of the board of aldermen.

The mayor shall annually, in the month of June, appoint, subject to the confirmation of the board of aldermen, one person to be a member of the water board, who shall hold office for the term of five years from the 30th day of June in the year of his appointment. A vacancy shall be filled in the same manner, and the person appointed to fill a vacancy shall hold office for the remainder of the term for which his predecessor was appointed. Said members shall, in addition to the above term, hold office until others are appointed in their places. No member of the city council shall be appointed a member of this board.

SECT. 2. The president of the water board shall be elected by the board, and shall be one of the persons appointed as provided in the first section of this chapter. The board may choose a clerk, and make such rules and regulations for its own government and in relation to all its officers as may be deemed expedient.

SECT. 3. The board, so constituted and organized, shall have and exercise all the powers vested in the city council by the legislature, by the one hundred and fifty-third chapter of the acts of the year eighteen hundred and sixty-five, and by the one hundred and sixty-fifth chapter of the acts of the year eighteen hundred and seventy five, and by the two hundred and fifty-sixth chapter of the acts of the year eighteen hundred and eighty-four, and by the one hundred and thirty-seventh chapter of the acts of the year eighteen hundred and eighty-eight, and by any acts in addition to any of said acts, so far as the same can be legally delegated; and it may appoint a ¹chief superintendent, water registrar, and all other subordinate agents and assistants, and fix their compensation and

¹Amended Jan. 10, 1914.

that of the clerk before mentioned subject to the approval of the committee on finance,¹ excepting those for police service. When such services are required, the water board shall apply to the chief of police for a detail of as many officers as it requires for patrol service in Cambridge, and while in the employ of said board the said officers shall be under the control of the water board, and shall be paid by said board.

SECT. 4. The board, on or before the fifteenth day of December in each year, shall present to the city council a report containing a statement of the condition of all the water-works and of the lands and other property connected therewith with an account of all receipts and expenditures and a schedule of property on hand, together with any information or suggestions which it may deem important; and shall at the same time transmit to the city council the reports of the ²chief superintendent.

SECT. 5. The board may sell such of the personal property connected with the water-works as it may deem expedient, subject to the approval of the mayor. May sell personal property.

SECT. 6. The president of the board shall exercise a general supervision over all the water-works, and the materials and property connected therewith, and over all subordinate officers and agents. In case of his absence or inability, his duties may be performed by a president *pro tempore*, to be chosen by the board. Duties of president.

SECT. 7. The board shall have full power to make all necessary repairs, extensions or improvements on said works, and to provide new supply-pipes. All hydrants, stand-pipes and drinking fountains, established by the city, shall be constructed, and all repairs upon such hydrants, stand-pipes and drinking fountains made, and the streets, when broken up, shall be again put in good order, to the satisfaction of the superintendent of streets, by and under the direction of the water board. The board shall have no power to expend any money, or to incur any debt, beyond the amount of appropriations made by the city council. Repairs, etc., of waterworks. Hydrants of city.

SECT. 8. No member of the board, and no person appointed to any office or employed by virtue of this chapter, or of the acts of the legislature mentioned in the third section of this chapter, shall be interested, directly or indirectly, in any contract, bargain, sale or agreement, in relation to the water-works, or any matter or thing connected therewith, wherein Members of board, etc., not be be interested in contracts.

¹ Amended March 10, 1911.

² Amended Jan. 10, 1914.

the city is interested; and any and all contracts, bargains, sales or agreements, made in violation of this section, shall be void as to the city.

Water-rates.

SECT. 9. The board shall determine and assess the water-rates according to the tariff of rates adopted by the city council, and shall have power to establish such regulations as it may deem expedient for the introduction and use of water; and the water shall not be supplied to any building unless the pipes and fixtures are made conformable to such regulations.

Chief Superintendent.

¹SECT. 10. The board shall annually and upon the occurrence of a vacancy, appoint a general or chief superintendent, who shall be a citizen of Cambridge, and who shall hold office subject to removal by the board, and who shall perform his duties under the direction of the board. He shall have general control of all persons employed in the department, and shall have full charge of the aqueducts, reservoirs, storage basins and other works and property connected with the water works which may be required in conveying and distributing water to the city and its inhabitants. He shall annually in the first week in December present to the board a report of the general condition of the works, and shall perform such further services in relation thereto as may be required of him by the board.

**Water registrar.
Duties.**

SECT. 11. The board shall annually elect a water registrar who may at any time be removed by the board. He shall perform all such services as may be required of him by the chief superintendent.¹

Supervision.

SECT. 12. The chief superintendent¹ under the direction of the board, shall cause to be visited, once in each year, all premises where the water is taken, and shall exercise a constant supervision over the use of the water.

Receipts.

SECT. 13. All moneys paid into the treasury on account of said works shall be placed to the credit of the water works, and shall not be paid out except under the provisions of this section and chapter four. The mayor may draw his draft for all sums of money becoming due for interest on the Cambridge water loan, and the amounts so paid shall be charged to the water-works. The treasurer shall annually, on or before the thirtieth day of November, pay over to the trustees of the sinking funds, provided in the first act named in the third section of this chapter, a sum not less than three and one half per cent of the par value of the then outstanding water bonds.

¹ Amended Jan. 10, 1914.

SECT. 14. The annual rent for the use of the water shall be <sup>Water rates,
when to be paid.</sup> payable in advance on the first day of May in each year. All charges for specific supplies or for fractional parts of the year to May first, shall be payable in advance and before the water is let on.

SECT. 15. In all cases of non-payment of the water rent in thirty days after the same is due, the chief superintendent² under the direction of the water board² shall cut off the supply; and the water shall not again be let on, for the same occupant or owner, except upon the payment also of the whole amount due² together with costs as determined by the water board; *provided*, that in case of specific supplies or for fractional parts of the year, when the water has been let on, it may be cut off immediately after notice given at the place that the rent is not paid, and may be let on again upon the conditions before mentioned. And the foregoing provisions shall apply when two or more parties take the water through the same service pipes, although one or more may have paid the proportion due from him or them.

All bills for water furnished by meter shall be payable quarterly; and if the same be not paid within twenty days after the end of the quarter, the registrar shall cut off the supply after sending a special notice that the water will be so cut off for non-payment.

SECT. 16. The chief superintendent,¹ under the direction of ^{Abatements.} the board, may make abatements in the water rents in all proper cases.

SECT. 17. The chief superintendent shall cause to be kept¹ ^{Records.} suitable books in which shall be entered the names of all persons who take the water, the kind of building, the name and number of the street, the nature of the use, the number of takers and the amount charged, and amounts of abatements, which shall always be open to the inspection of the board, and any committee of the city council.

The chief superintendent¹ shall, at the end of each year, <sup>Registrar's
report.</sup> report to the board,—

1. The amount of the bills sent to the treasurer.
2. The amount of the abatements.
3. The amount of the uncollected bills.

SECT. 18. No person shall injure any public pipe, reservoir <sup>Injuries to pipes,
reservoirs, etc.</sup> or fire hydrant connected with the water works, or shall break

¹ Amended Jan. 10, 1914.

² Amended March 7, 1911.

and enter the same, or draw off or cause to be removed, any of the water therefrom; or shall turn on or off the water in any such water pipe, reservoir or fire hydrant, or shall make any opening or connection with such pipe, reservoir or fire hydrant or remove the cover of any hydrant except in case of fire, without the license or permit of the water board, or by authority of the mayor, and then only under the direction of the superintendent of the water-works, who shall provide competent men to perform the same; and the expense thereof shall be charged to the person or department applying for such license or permit.

Regulations
relative to use
of water.
P. S. c. 27,
§§ 16, 17,
P. S. c. 28, § 2.

SECT. 19. The following regulations shall be considered a part of the contract with every person who takes the water and every such person, by taking the water, shall be considered to express his consent to be bound thereby. These regulations shall be printed upon every bill for water rent, and whenever any one of them is violated (notwithstanding two or more parties may receive the water through the same pipe), the chief superintendent, under the direction of the board¹, shall cause the water to be cut off, and it shall not be let on again except upon payment of two dollars and all chargeable rates; and further, in case of any such violation, the board may declare forfeited any payment made for the water, by the person committing such violation, and the same shall thereupon be forfeited.

The regulations are as follows:—

1. All persons taking the water shall, at their own expense, keep the service-pipes within their premises in good repair and protected from frost, and they will be held liable for all damage which may result from their failure to do so.

2. They shall prevent all unnecessary waste of water, and there shall be no concealment of the purposes for which it is used.

3. No alteration shall be made in any of the pipes or fixtures inserted by the city, except by its agents, who shall be allowed to enter the premises supplied, to examine the apparatus, and to ascertain if there is any unnecessary waste; and no plumber or other person shall make any alteration or extension of the pipes in any house or on any premises without first giving notice to the chief superintendent¹ and procuring a written permit from him which shall be returned to the chief superintendent¹ within ten days after the completion of the

Takers to keep
service pipes
in repair, etc.

To prevent
waste, etc.

Pipes inserted by
city not to be
altered, except, etc.

¹ Amended Jan. 10, 1914.

work, endorsed with a statement of all fixtures added or removed. Any person violating this regulation shall be fined not more than twenty dollars.

4. No water shall be supplied to parties not entitled to the water not to be supplied to use of it under the city ordinances, unless by special other parties. permission.

5. Except as hereinafter provided, no connection of a ~~Fountain~~ fountain shall be made, directly or indirectly, with the water pipes of the city. Persons desiring water for fountain purposes, shall make application in writing to the board, stating the number and size of the jets to be used, and the hours of the day and the months during which it is proposed to use the same. Upon such application the board shall fix the rate to be charged to the applicant, and the connection with the water pipes shall be made by and under the direction of the superintendent; it being understood and agreed that the water shall be employed exclusively for fountain purposes, unless supplied through a meter.

6. Whenever on account of non-occupancy of premises or non-use of water an abatement is desired, and notice thereof is given at the office of the chief superintendent,¹ while the person liable for the water-rates is in possession of the premises, the water shall be cut off by an employee of the board and an abatement made, less the charge of one dollar for cutting off; *provided*, that such seal-locks as may be adopted by the board may be placed upon faucets in tenements so connected with other tenements that they cannot be separately shut off in the street; but they shall not be put on in any house that can be so shut off from the street, except for particular fixtures.

The charge for putting on such seal-locks shall be established by the board. Such seal-locks shall not be taken off by any one except an employee of the board, on penalty of forfeiting all claims for allowance, and having the water shut off from the premises.

7. The chief superintendent¹, with the necessary agents and assistants, may enter the premises of any water-taker to examine the quantity used, and the manner of use, and to cut off the water for non-payment of rents and fines, or for any violation of these regulations.

The chief superintendent¹ shall, under the direction of the board, make all the water-rate charges, excepting charges for ^{Water-rates to be charged to owner.}

¹ Amended Jan. 10, 1914.

metered water, to the owner of the property, and in every case the owner shall be liable for the water-rates, except where the ownership is changed after water is shut off for non-payment, in which case the new owner shall be liable for the water rates from the time when the water is again let on.

Penalty for waste of water and not keeping service pipes, etc., in good order.

SECT. 20. An owner or occupant of premises in which water furnished by the city is used, who fails to keep his service-pipes and fixtures in good order, and neglects to repair the same within three days after they have, from any cause, become defective, or who neglects to shut off the water after using it, so that it runs to waste, shall be liable to a fine of two dollars; and if such fine is not paid within two days from the time when the person incurring it receives notice that he is liable thereto, the water shall be cut off from his premises, and shall not be let on again until the waste is stopped and the fine paid, together with an additional sum of two dollars for cutting off and letting on the water; and in case of a second offence during the same year, a fine of four dollars shall be imposed, and if it is not paid within two days, as aforesaid, the water shall be cut off, and shall not be let on again until the cause of complaint is removed and the fine paid, together with two dollars for cutting off and letting on the water; and in case of a third offence, the water shall be cut off, and shall not be let on again except by a vote of the board and the payment of such fine, not exceeding ten dollars, as the board may impose.

Board to decide what is waste, etc.

SECT. 21. The board shall have the power to decide what shall be considered a waste or improper use of water, and to restrict the use thereof when it may deem it necessary; and if the water-taker refuses or neglects to comply with any order of the board, after notice given to him, the water may be cut off, and shall not again be let on, except by a vote of the board, and the payment of such fine, not exceeding ten dollars, as the board may impose.

Board may restrict use of hand-hose.

SECT. 22. The board shall have the power to restrict the use of hand-hose to such hours of the day as it may deem necessary; and for any violation of such restriction the occupant of the premises shall be liable to the penalties imposed in the preceding section for a waste or improper use of water.

Registrar to make out water bills.

SECT. 23. The chief superintendent shall, under the direction of the board, cause the annual bills for water rates to be issued and delivered on or before the tenth day of April in

each year, and shall make out bills for all other amounts payable to the city on account of the water-works, and deliver the same to the treasurer, from time to time, as they may become due. All the bills so delivered by the water registrar shall be numbered to correspond with the number of the charge on his books.

Bills to be numbered.

A certificate of each and every abatement and refund shall be furnished by the registrar, which certificate shall be addressed to the treasurer, and shall state the account on which it is allowed, and the number of the bill. The chief superintendent¹ shall, on the first day of every month, report in writing to the auditor the amount of the bills of each class placed in the hands of the treasurer for collection, and also the amount abated or ordered to be refunded, during the preceding month. Whenever it shall appear to the water registrar that an error has been made in the rates charged for any house or tenement whereby a larger amount has been charged than is required by section 24 of this chapter, he shall cause an abatement certificate to be made for the amount of the excess charged, and forthwith transmit the same to the city treasurer, who shall send a corrected notice to the owner or the person to whom the rates are charged.

Abatements and refunds.

Registrar to report to auditor, etc.

²⁻³⁻⁴SECT. 24. The following rates shall be charged annually for the use of water, namely:

Dwelling Houses.

	Per Year	
Occupied by one family for the faucet	\$4 00	Rates to be charged for water.
For each additional faucet, to be used by the same family	1 00	Dwelling houses.
Each wash basin	1 00	
Each set wash tub, with faucet	1 00	
When a house is occupied by more than one family, —one faucet only being used by all, for each family	3 00	
When a house is occupied by more than one family, the highest rates will be charged for each family having the water carried into their part of the house.		
For the first bath tub	3 00	

¹ Amended Jan. 10, 1914.

² Amended June 6, 1901.

³ Amended Jan. 3, 1903.

⁴ Amended March 7, 1911.

	Per Year
When used by more than one family, for each family	\$2 50
For each additional bath tub	2 00
For the first water closet (self-regulating)	2 00
When used by more than one family, for each family	2 00
For each additional water closet (self-regulating)	1 00
For each water closet, not self-regulating	15 00
When used by more than one family, for each family	10 00
Each slop closet	2 00
When two faucets are used, one for hot and one for cold water, both emptying into one vessel, but one charge will be made for both, and the same rule applies to boarding houses.	
<i>Provided</i> , That in no case shall the charge for the use of water by a private family, exclusive of water closet, not self-regulating, hose and stable, be more than	13 00
And including stable for not more than four animals	20 00
And including use of hose for stable for not more than four animals, and for garden not exceeding five thousand feet	25 00

Apartment houses or family hotels.

For the use of water in apartment houses or family hotels which are arranged in suites of rooms for different families, the charge to each tenement, exclusive of water closet not self closing, shall not exceed \$11.00.

(Apartment houses or family hotels, so called, shall be taken to mean and include dwellings constructed especially for and occupied by two or more families, each tenement being arranged in flats or suits of rooms connected, and having the conveniences of a distinct house, without regard to the location of the water fixtures. All other dwellings occupied by one or more families shall be classed under the head of dwelling houses.)

Lodging and Boarding Houses.

The charge shall be determined by meter.

Stores, etc.

For each tenement occupied as a store, warehouse or office, \$ 3 00

Stores, etc.

	Per Year
Where two or more such tenements are supplied from the same faucet, each,	\$2 50
For markets, saloons, workshops, or for purposes not included in any other classification, and not requiring more than an ordinary supply of water taken from one faucet, from \$5.00 to	25 00
For the first self-regulating water closet or urinal used by the occupants of one tenement only,	2 00
When used by occupant of more than one tenement, for each	2 00
For water closet, not self-regulating, for single tenement,	15 00
Each slop closet,	2 00
For water closet, not self-regulating, used by occupant of more than one tenement, for each,	10 00
For each additional fixture, one-half of the above charges shall be added.	

Private Stables.

For first horse,	4 00
Each additional horse,	2 00
Each cow,	2 00

Livery and Team Stables.

For two horses or less number kept therein	4 00
For each horse above two,	2 00

The above includes water for washing carriages, omnibuses and cars, without hose.

Where hose is used in any stable, an addition will be made to the above charges, as follows:

For the first horse,	5 00
For each additional horse,	50

Hose.

For washing windows and other similar uses, including watering gardens of less than 5,000 feet,	5 00
For other cases arrangements can be made with the water board.	

Private Garage.

For hose used for washing purposes,	5 00
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Public Garage.

The charge shall be determined by meter.

The water board shall have power to ascertain by meter the quantity of water used in any case, and a meter shall be applied whenever, in the judgment of the board, it is expedient. The charge for metered water shall be based on annual consumption; and the water board shall determine the application of the rates.

The rates shall be as follows:

For the first 50,000 cubic feet, 15c per 100 cubic feet.

From 50,000 to 200,000 cubic feet, 12 cents per 100 cubic feet.

From 200,000 to 500,000 cubic feet, 11 cents per 100 cubic feet.

From 500,000 to 5,000,000 cubic feet, 8 cents per 100 cubic feet.

Over 5,000,000 cubic feet, 7½ cents per 100 cubic feet.

In no case, however, shall the minimum charge for metered water be less than five dollars per annum.

The foregoing rates shall be subject to amendment and revision by the city council at any time without further notice.

All water passing through a meter will be charged for, whether used or wasted.

If a meter gets out of order and fails to register, the consumer shall be charged at the average daily consumption as shown by the meter when in order.

All charges for metered water shall be made to the owners of the property.

The revised schedule for all metered premises to take effect April 1, 1911. The revised schedule, for all unmetered premises to take effect May 1, 1911.

All bills for water furnished by meters shall be payable quarterly at the office of the city treasurer; and if the same be not paid within thirty days after the end of the quarter, the chief superintendent,¹ under the direction of the water board, is instructed to cut off the supply, after sending a special notice that the water will be cut off for non-payment, and the water shall not again be let on for the same occupant or owner, except upon the payment of the whole amount due, together with costs as determined by the water board.

When water is required for purposes which are not

¹ Amended Jan. 10, 1914.

specified in the foregoing tariff, the rate shall be fixed by the board.

The board shall have the power to prevent the erection of yard hydrants, and water shall not be supplied to any water-closets unless such water-closets are constructed to conform to the plumbing ordinances.

SECT. 25. All water required by the city in its various departments, shall be furnished free of charge. Water used by the city.

SECT. 26. The police shall report to the chief superintendent¹ all cases of leakage, waste or unnecessary profusion in the use of the water, and all violations of this chapter that may be brought to their notice. Police to report waste, etc.

SECT. 27. There shall be paid to the person chosen by the trustees of the sinking fund of the water works, as their secretary and treasurer, an annual salary of two hundred dollars. Said salary to be charged to the maintenance account of the water works. Salary of treasurer of sinking fund of waterworks.

¹ Amended Jan. 10, 1914.

CHAPTER 28.

DUTIES AND SALARIES.

Boards and officers to keep an account of moneys received for city, and pay same to treasurer.

SECTION 1. The various boards and city officers, who shall in their official capacity receive any money on behalf of the city, whether for payment of fees, for services rendered or otherwise, shall enter, in a book kept for the purpose, a detailed record of all money so received, and the several purposes for which said money was paid, which book shall at all times be open to the inspection of the committee on accounts, and all such boards and city officers having offices in the city hall, shall pay to the treasurer daily all money so received, and all other boards and city officers except the city weighers shall pay over to said treasurer weekly all money so received by them. All such boards and city officers shall, before making such payment, make a true return to the auditor, stating the account upon which said moneys were received. All other persons, who shall at any time have money in their possession belonging to the city, shall forthwith pay the same to the treasurer.

City clerk, treasurer and chief of police to report fees.

SECT. 2. The city clerk and the treasurer and collector shall annually, on the thirtieth day of November, make to the city council a written detailed statement of all fees and perquisites received by each of them for the year ending with that date. The chief of police shall make a similar return of the fees and perquisites received by himself and other members of the police force.

Fees received by police to be paid into the treasury.

SECT. 3. All fees, penalties, witness fees, moneys or compensation received by any member of the police force, other than the salary fixed by ordinance, for any services rendered in their official capacity, except moneys or compensation received by them for special services, and except witness fees for testimony in courts without the limits of the city, shall be paid weekly into the city treasury by the officers receiving the same.

Office hours of sundry officers.

SECT. 4. The offices hereinafter named shall be open to the public for the transaction of business daily, except on Sundays and legal holidays, and as hereinafter provided, during the following hours: viz.—

The treasurer's and the auditor's from eight o'clock A. M. to two o'clock P. M.

The city clerk's from eight o'clock A. M. to three o'clock P. M.

The city engineer's from eight o'clock A. M. to five o'clock P. M.

The superintendent of streets from eight o'clock A. M. to four o'clock P. M.

The chief engineer's from nine to ten o'clock A. M.

The office hours for city employees shall be fixed by the board, or head of department authorized to employ them.

¹SECT. 5. On Saturdays the several offices shall be closed at one o'clock in the afternoon, *provided*, however, that during the months of June, July, August and September, the said offices shall be closed at twelve o'clock noon, and *provided further*, that in case of necessity, any office may be kept open until a later hour, at the discretion of the board or head of the department occupying such office.

SECT. 6. The treasurer and collector shall appoint the clerks in his office and shall be answerable for their conduct in the discharge of their duties. Such appointments shall be forthwith certified to the mayor. Such clerks shall receive such compensation as the committee on finance may, from time to time, determine and they may be removed by the treasurer and collector for such cause as he shall assign in writing in the order of removal, which order shall be forthwith communicated to the mayor. The compensation of all clerks in the several departments of the city, both permanent and temporary, shall be determined by said committee, subject however to change at any time by order of the city council.

SECT. 7. No person who is not a resident of Cambridge shall be employed as a laborer in any department of the city; and in the employment of laborers in any department of the city, preference shall be given to efficient and steady men who have families or minor children dependent upon them for support; *provided*, that no competent and faithful laborer, who is a resident of Cambridge, shall be discharged to make place for another. Nine hours shall constitute a working day for laborers and mechanics in the several city departments, and eight hours for brick layers in the sewer department, for each working day throughout the year.

Office hours
on Saturdays.

Treasurer shall
appoint the clerks
in his office.
S. 1891, c. 384,
§ 34.

Removal of
clerks.

Compensation
of clerks.

Non-residents
not to be
employed as
laborers.

Working day
for laborers.
S. 1890, c. 375.

Boards and heads of departments to control appropriations.

Contracts to be approved by the mayor except, etc.
S. 1891, c. 364,
§ 35.

Purchases to be made in accordance with this chapter.

Advertising for proposals.

Plans, etc., to be shown to bidders.

To advertise for proposals for purchases of more than \$300.

Contracts to be accompanied by bond.

Contracts to be in triplicate.

SECT. 8. The several boards and heads of departments shall have the general supervision and control of the appropriations made to meet the expenditures of their respective departments; *provided*, that no board or head of department, authorized to purchase materials or supplies, or to contract for labor to be performed, shall have the power to expend more than three hundred dollars for any one specific purpose, whether settlement for the same shall be made in one or more payments, unless it be first approved by the mayor. But nothing in this proviso shall be held to apply to the consumption of water or gas, nor to contracts made with such laborers or other persons as are ordinarily employed in the various departments, in the performance of the regular work or labor thereof, whether such contracts be by the day, month or year.

SECT. 9. All boards and officers shall be governed in their purchases by the provisions of this chapter.

SECT. 10. All advertisements for proposals and purchases shall be published in one or more papers of the city, not exceeding four, and elsewhere if necessary, and a copy of such advertisement shall be sent to the auditor for preservation.

SECT. 11. Whenever advertisements for proposals for any work to be done for the city, or for any materials or supplies to be furnished, are made, the board or officer in charge of the work to be done shall cause suitable plans and specifications, and schedules of materials or supplies, to be prepared and shown to parties proposing to bid.

¹ **SECT. 12.** No officer or board shall make any contract or purchase in behalf of the city, involving an expenditure of more than three hundred dollars, without advertising for proposals therefor, unless authorized by vote of two-thirds of each branch of the city council.

SECT. 13. Every contract exceeding three hundred dollars for any work to be done for the city, or for any materials or supplies to be furnished the city, shall be accompanied by a suitable bond for the performance of the same, or by the deposit of money or security to the amount of such bond. No proposal shall be accepted from or for any person who shall have broken a contract with the city during the three years preceding. All written contracts shall be executed in triplicate, and one of said copies shall be deposited with the auditor.

² **SECT. 14.** No proposal shall be received from any per-

¹ Amended Dec. 29, 1899.

² Amended Dec. 28, 1900.

son offering to contract for such work, unless the same is enclosed in a sealed envelope or wrapper. Such proposals shall be at once placed in a sealed box in the department calling for the proposals, and the clerk of committees shall hold the only key to such box. All proposals shall be opened, read and recorded in the city hall, at the hour and place designated in the advertisement, in the presence of the mayor or such person as he may designate. Such proposals shall be publicly opened, whenever so ordered by the mayor. The contract shall be awarded to the lowest bidder complying with the terms; provided however, if any such proposals shall be offered by persons who, in the judgment of the board, or officer issuing the advertisement, shall be incompetent to perform their contracts in a workmanlike manner, or irresponsible in respect to their means of faithfully executing the same, such proposals may be rejected, notwithstanding the same be at a lower rate than other proposals offered for the same work, and the next higher bidder shall be substituted; and *provided*, also, in all cases, that the board or officer may reject all bids and issue new advertisements. All bids shall be preserved by the board or officer issuing the advertisement on the records of its department, and shall be open to public inspection after the contract has been awarded, and accepted by the bidder.

SECT. 15. In all cases where the amount of any contract shall exceed the sum of three hundred dollars, the contract shall be in writing; and, after being signed by the parties, no such contract shall be altered, in any particular, without the consent of the contractor, and of the board or officer making the contract, indorsed thereon. And all payments for extra work shall be made at the time of the final payment on such contract.

SECT. 16. Every contract shall provide that, in case of any alteration, so much of such contract as is not necessarily affected by the change shall remain in force upon all parties thereto. It shall also provide that no payment for work done under such alterations shall be made until the completion of the whole contract, and also that the adjustment and payment of the bill then rendered for such work shall release and discharge the city from any and all claims or liability on account of any work performed under such contract or any alteration thereof.

SECT. 17. No board or officer shall make any contract in behalf of the city the execution of which shall necessarily

Proposals to be sealed and kept in a sealed box.

Key of the box.

Opening proposals.

Contracts to be awarded to lowest bidder, etc.

Bids to be preserved.

Contracts to be in writing.

Extra work on contracts.

Alteration of contract.

Payment on contract.

Contracts for more than one year not to be made.

extend beyond one year from the date thereof, unless special permission so to do has been given by vote of the city council, or of the branch having authority therein, or by the statutes of the commonwealth.

Contracts shall provide for the retention of a sufficient amount to pay mechanics' claims for labor.

SECT. 18. In every contract entered into on behalf of the city, and involving the employment of mechanics or laborers by the contractor, a provision shall be inserted to the effect that the board, or other authority making such contract, may, if it deems it expedient to do so, retain out of any amounts due to such contractor sums sufficient to cover any unpaid claims of mechanics or laborers for work or labor performed under such contract for thirty-five days after the completion of the work under the contract.

Removals of subordinates.

Cause to be recorded.

SECT. 19. Whenever any officer or board in charge of a department shall remove any subordinate, the order of removal and the cause assigned therefor shall be entered in full on the records of the department in which he served. Every such officer and board shall to the best of his ability cause all statutes, ordinances, regulations and orders relating to the duties of his department to be observed and enforced.

Officers and boards not to expend money until appropriated.

SECT. 20. No officer or board in charge of a department shall, unless specially authorized thereto by statute, make any expenditure or incur any liability on behalf of the city for any purpose or object, until an appropriation sufficient to meet such expenditure or liability together with all other expenditures and liabilities which he or it proposes to make, and which are properly chargeable to the same appropriation, has been made therefor; nor shall he or it exceed any specific appropriation made for his department,¹ nor shall any officer or member of a board, unless thereto authorized by the mayor or city council, apply for, object to, or advocate before the legislature any special act relating to the city of Cambridge.

Officers and boards shall keep records of acts, etc.

To be open to public inspections, etc.

SECT. 21. Every officer and board in charge of a department shall keep records of the acts and doings of the departments, in books kept specially for the purpose. All records and files, shall, under the supervision of the officer in charge of the department, be open to public inspection, and any person may take notes therefrom; but this shall not apply to matters on which final action has not been taken, which the mayor is of opinion should not be made public, or to the records of the proceedings of the various committees kept by the clerk of committees.

¹ Amended June 6, 1894.

SECT. 22. Every officer or board in charge of a department issuing a license or permit, shall insert therein a condition that the person accepting the same shall conform to all statutes and ordinances, and also to the specifications in the license or permit; that the license or permit may be revoked at any time by the authority issuing it; that the violation of any of its specifications shall work an immediate revocation of the license or permit; and that such person shall indemnify and save harmless the city from any damage it may sustain, or be required to pay, by reason of the doing of the work licensed or permitted, or by reason of any act or neglect of himself or of any of his employees relating to such work, or by reason of any violation of any specification; *provided* that nothing herein contained shall be construed to prevent the insertion of any other conditions and limitations deemed advisable by the authority issuing such license or permit.

Licenses to
contain
conditions, etc.

SECT. 23. Every officer and board in charge of a department shall, annually, before the twentieth day of January, send to the mayor an estimate in detail of the appropriations which will be required to enable the department to perform its duties and works during the next financial year, and also an estimate of all income to be received from any source by the department during the said year.

Officers and
boards to send
estimates for
annual appro-
priations to
mayor.
S. 1891, c. 364,
§ 36.

SECT. 24. Every officer required to give a bond to the city shall furnish sureties upon the same and whenever the mayor shall demand shall furnish a new bond or surety.

Bonds of city
officers.

SECT. 25. There shall be appointed at the commencement of each municipal year, a committee on finance, consisting of the president and three members of the board of aldermen, the president and five members of the common council.

Committee on
finance.

Appointment of.

SECT. 26. The committee on finance shall, at the close of each municipal year, and as much oftener as they deem it expedient, examine and audit the accounts of the treasurer; and for that purpose shall have access to all books and vouchers in his possession, or in possession of the auditor or any other officer of the city. They shall also examine all notes and securities in his hands belonging to the city, and make report thereof to the city council.

Duties of.

SECT. 27. No carriage shall be furnished at the expense of the city, except upon an order therefor signed by the mayor, president of the board of aldermen, the president of the common council, or the acting chairman of any committee of the city council; and such order shall state the purpose for which

Carriages, how
furnished.

the carriage is required, and shall accompany the bill therefor as a voucher.

All boards, etc.,
shall report
annually.
S. 1891, c. 384,
§ 18.

Report of the
superintendent of
public
buildings.

Salaries of
certain city
officers.

SECT. 28. All boards, commissioners, trustees, and officials having charge of city property or the expenditure of appropriations, unless otherwise provided in these revised ordinances, shall report to the city council annually in December.

The report shall contain a statement of receipts and expenditures for the year ending November thirtieth, a schedule of materials, tools and property of all kinds on hand December first, and their estimated value.

The report of the superintendent of public buildings shall contain a description of all real estate belonging to the city, with the estimated value of each parcel of land and of each building.

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Salaries.

SECT. 30. The officers of the city, hereinafter named, shall receive the following salaries, which are annual and to be paid monthly unless otherwise stated:

Mayor	· · · · ·	\$3,500 00
City treasurer and collector	· · · · ·	3,000 00
² City Clerk	· · · · ·	3,300 00
³ Assistant city clerk	· · · · ·	1,600 00
⁴ Clerk of common council	· · · · ·	500 00
⁵ City auditor	· · · · ·	2,500 00
Assessors, each	· · · · ·	2,000 00
⁶⁻⁷ Assistant assessors each (per year)	· · · · ·	175 00
City engineer	· · · · ·	3,000 00
Treasurer of commissioners of sinking funds	· · · · ·	300 00
City solicitor	· · · · ·	3,500 00
Clerk of committees	· · · · ·	2,400 00
⁸ Superintendent of streets	· · · · ·	2,500 00
⁹⁻¹⁰⁻¹¹ Chief of fire department	· · · · ·	2,250 00
¹²⁻¹⁰⁻¹¹ Deputy chief of fire department	· · · · ·	1,750 00
¹⁰⁻¹¹ Permanent members:		
Captains	· · · · ·	1,400 00
Lieutenants	· · · · ·	1,350 00

¹ Section 29 repealed April 27, 1893.

² Amended Dec. 22, 1905.

³ Amended Jan. 5, 1907.

⁴ Amended April 11, 1900.

⁵ Amended Dec. 31, 1902.

⁶ Amended April 8, 1904.

⁷ Amended May 19, 1910.

⁸ Amended Dec. 31, 1907.

⁹ Amended March 26, 1900.

¹⁰ Amended Dec. 1, 1904.

¹¹ Amended June 29, 1912.

¹² Amended March 13, 1900.

Enginemen \$1,300 00

¹⁻²⁻³All other permanent men:

First twelve months of service 900 00

Second twelve months of service 1,000 00

Third twelve months of service 1,100 00

After three years of service 1,200 00

²⁻³Call members in fire department 300 00

Inspector of wires 1,000 00

⁴⁻⁵⁻⁶City messenger 1,400 00

Superintendent of lamps 1,000 00

Inspector of milk and vinegar 1,000 00

Inspector of provisions and of animals intended
for slaughter, etc. 700 00

Sealer of weights and measures 1,200 00

⁷⁻⁸Deputy sealers of weights and measures, each 900 00

⁹City physician 2,000 00

Superintendent of public buildings 2,000 00

Commissioner of bridges 700 00

Election officers:

Wardens, clerks and inspectors, for each day's
actual service, each, per day 8 00

Deputy officers, who shall be in attendance at
the opening of the polls, each, per day 1 50

Registrars of voters, each 500 00

Clerk of the board of registrars of voters 100 00

SECT. 31. The above-mentioned salaries shall be in full for
all services rendered by such officers in their official capacities.

Salaries to be
in full.

SECT. 32. Janitors of public buildings other than school-
houses shall receive such compensation as may be recom-
mended by the superintendent of public buildings and approved
by the city council, or by some committee by it authorized.

Compensation
of Janitors.

Janitors of school-houses shall receive such compensation as
may be recommended by the mayor and approved by the city
council, or by some committee by it authorized.

Janitors of
school-houses.

¹⁰SECT. 33. Whenever, by reason of his length of service,
the pay of any member of the fire department is to be in-
creased, notice thereof shall be sent to the mayor by the chief
engineer, before placing the name of such member upon the
pay roll at the increased rate of compensation.

¹ Amended March 28, 1901.

² Amended Dec. 1, 1904.

³ Amended June 29, 1912.

⁴ Amended May 1, 1902.

⁵ Amended July 8, 1904.

⁶ Amended Dec. 28, 1906.

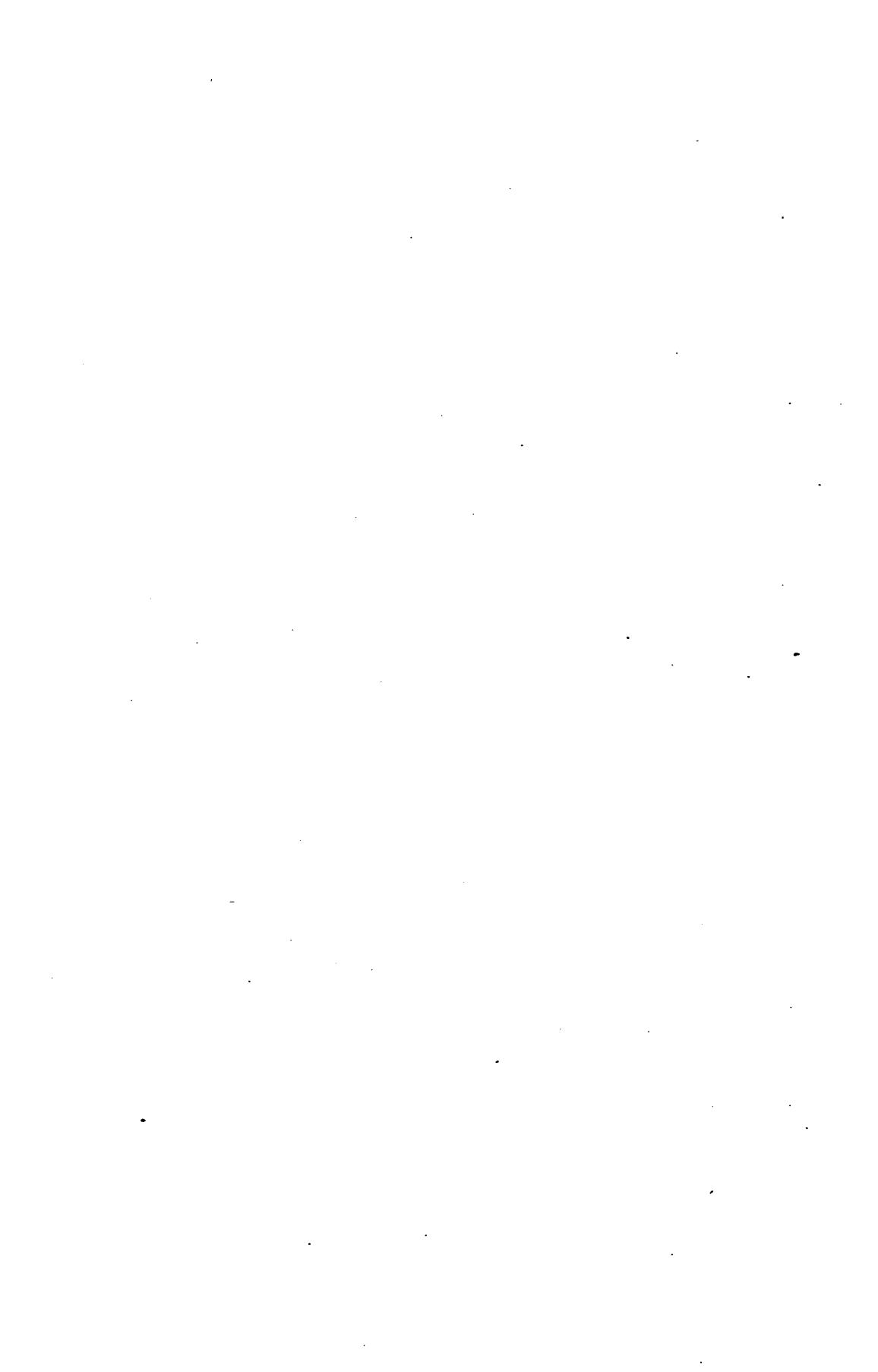
⁷ Amended Jan. 3, 1902.

⁸ Amended Oct. 24, 1907.

⁹ Amended Dec. 4, 1907.

¹⁰ Amended April 6, 1898.

GENERAL ORDINANCES



CHAPTER 29.

SALE AND DELIVERY OF ICE.¹

SECTION 1. Every person, firm or corporation before selling or delivering ice in this city after the first day of February, A. D. 1898, shall prior to such sale or delivery register at the office of the board of health the name and location of the body or bodies of water from which said ice so to be sold or delivered has been cut, or from which the water has been taken for its manufacture. Such registration shall be subscribed and sworn to by the person so proposing to sell or cause to be delivered said ice, or in the case of a firm, by one of the members of the firm, or in the case of a corporation by the president, general manager, or one of the board of directors of the corporation.

Sale and delivery of ice.

SECT. 2. Every person, firm or corporation who sells, delivers or causes to be delivered ice in this city after the first day of February, A. D. 1898, shall permit the board of health and its inspectors at all reasonable times to have access to and freely examine the ice intended for such sale or delivery, and shall permit samples to be taken by said board or its inspectors for the purpose of analysis.

Inspection of ice by board of health.

SECT. 3. The board of health shall investigate the sources of supply of ice so sold or delivered and cause inspection and analysis to be made of the ice from said sources. And if upon such investigation, inspection and analysis, and upon hearing, it shall deem and adjudge ice derived from any source to be impure and injurious to the public health, it may prohibit the sale or delivery in this city of such ice or of any other ice which has been intermingled with ice from such source. Notice of such prohibition shall be given in the manner provided by law for giving notice of the regulations of the board of health, and such notice shall be deemed legal notice to all persons.

Sources of supply of ice.

SECT. 4. Any person, firm or corporation after the first day of February, A. D. 1898, who shall sell or deliver or cause to be sold or delivered or shall have in his, their or its possession with intent to sell or deliver in this city ice the source of which has not been registered as above provided, or ice the sale and delivery of which has been prohibited and notice thereof given as above provided, or who shall violate any of the provisions of section two of this ordinance, shall be liable to a penalty not exceeding twenty dollars for each offence.

¹ Approved Dec. 29, 1897.

CHAPTER 30.

¹ LICENSES AND PERMITS AND BONDS FOR THE SAME.

Licenses and
permits,
issuing of.

SECTION 1. All licenses and permits hereinafter issued to any person, persons, firm or corporation, under any ordinance or order of the city council or either branch thereof, shall be issued subject to the condition that the same may be revoked at any time, at the option of the department or body from which the same were issued, or at the option of any future department or body.

Bond.

SECT. 2. Such licenses and permits shall have no force or validity, until a bond or other satisfactory security shall be given to the city indemnifying and saving harmless the city from all liability, loss and expense whatsoever which the city may incur and suffer arising out of the issuing of such license or permit with such surety or sureties and in such amounts as may be satisfactory to the city auditor and approved by the mayor.

Additional
sureties to be
furnished.

SECT. 3. Additional sureties shall be furnished on all such bonds mentioned in section 2 of this ordinance, as well as on all bonds heretofore given under any ordinance or order of the city council or either branch thereof whenever, in the manner and as often as in the opinion of the department or body from which the licenses and permits were issued, or any such future department or body, it seems to be for the best interests of the city to require the same.

Premises to be
restored at
licensees' cost.

SECT. 4. In addition to and as a further condition of the bond so as aforesaid to be given, the person or persons so licensed or permitted, by an agreement satisfactory to the city solicitor, for themselves, their heirs, successors and assigns shall agree to restore at their own expense and cost the premises, concerning which the license or permit was originally given to the same condition in which the premises were at the time of the granting of such license or permit.

Examination
of sureties.

SECT. 5. The sufficiency of all sureties upon all bonds hereafter given to the city shall be examined at least once every year under the direction of the city auditor who shall report the result of such examination to the respective department or

¹ Approved July 2, 1896.

other body which issued the license or permit, or any succeeding department or body.

SECT. 6. All existing ordinances and parts thereof, in so ~~Repeal.~~ far as they are inconsistent with this ordinance, are to that extent hereby modified or repealed, otherwise this ordinance shall be in addition to all existing ordinances having reference to the matters herein contained.

CHAPTER 31.

CITY SEAL.



Device.
P. S. c. 3, § 31.
cl. 19.

¹ SECTION 1. The following shall be the device of the seal of the city, to wit: In the centre thereof a shield bearing upon it a view, on the right the towers of Gore Hall, and on the left the Washington elm; under the shield the inscription shall be, "Cantabrigia Condita A. D. 1630; Civico Regimine Donata A. D. 1846." Around the seal, as the city motto, shall be the words, "Literis antiquis novis institutis decora."

SECT. 2. The city clerk shall be the custodian of the city seal.

SECT. 3. This ordinance shall take effect on the first day of January, A. D. 1897.

¹ Amended Dec. 4, 1896.

Custodian of
seal.
P. S. c. 205, § 26.

CHAPTER 32.

CITY SCALES AND WEIGHERS.

SECTION 1. The board of aldermen shall, from time to time, establish as many scales for the weighing of hay and other articles as the public good may require, and cause the same to be erected and furnished with decimal weights, which shall be used in all cases; and the mayor, subject to confirmation by the board of aldermen, shall appoint suitable persons to weigh hay and other articles thereon according to law.

SECT. 2. The persons so appointed shall be sworn to the Weighers' oath. faithful performance of their duties.

SECT. 3. Every such weigher shall be at or near the scales of which he has the charge at all reasonable times, ready to weigh all articles offered for that purpose. He shall deliver to the driver or owner of every load weighed a certificate under his hand, specifying the name of the driver or owner, his place of residence, the name of the article weighed, the weight thereof, and the tare, the date and the fees charged. He shall keep a true account of all articles weighed by him, and record the same in a book kept for the purpose, which shall at all times be open for public inspection, and, when filled, be delivered to the city clerk. The said record shall contain the same particulars that are required to be stated in the certificate described in this section.

¹⁻² SECT. 4. The fees for weighing to be received by the weighers, which they shall pay to the treasurer quartely, shall be as follows: Three-fifths of a cent for every hundred pounds of coal, pig-iron, stone, sand, produce, provisions or ice, and one cent for every hundred pounds of hay, straw or other articles, provided, however, that the fees for weighing any article other than hay or straw shall never be less than ten cents, and no single fee shall exceed one dollar in amount.

The vehicle containing the same and other tare, shall be weighed without charge, and no fees shall be taken for weighing done on account of the city.

Public scales
to be
established
and erected.
P. S. c. 60, § 32.

Weighers to be
appointed.

Duties of
weigher.
P. S. c. 60, § 33.

Form of
certificate.

Weigher to
keep record.

Fees for
weighing.
P. S. c. 60,
§§ 33, 39.

¹ Amended July 3, 1902.

² Amended Sept. 18, 1907.

Weighers to
keep scales clear
of snow, etc.

Compensation
of weighers.

SECT. 5. It shall be the duty of the weighers to keep the scales under their care clear of snow and ice, so that they shall be in good condition for use at all times, and the sealer of weights and measures shall have the general control and supervision of all such scales.

SECT. 6. Each weigher shall receive as full compensation for his services a sum equal to three-fifths of the fees received by him.

¹Amended Dec. 20, 1907.

CHAPTER 33.

WARDS.¹

SECTION 1. The eleven wards of the city shall be constituted as follows:—

Ward One. Beginning at the water at the mouth of Broad canal thence by the centre of Broad canal to the centre of Third street, thence by the centre of Third street to Potter street, thence by the centre of Potter street to Fifth street, thence by the centre of Fifth street to Vine street, thence by the centre of Vine street to Fourth street, thence by the centre of Fourth street to Cambridge street, thence by the centre of Cambridge street to Fifth street, thence by the centre of Fifth street and said line extended northerly to the boundary line between Cambridge and Somerville, thence by said boundary line to the waters of Charles river, thence by the water to the point of beginning.

Ward Two. Beginning at the centre of Third street and *Ward II.* Broad canal, thence by the centre of Broad canal to North canal, thence by the centre of North canal and northerly in a line continued therefrom to the boundary line between Cambridge and Somerville, thence by said boundary line to a line in the extension of the centre line of Fifth street, thence by said extension and by the centre line of Fifth street to Cambridge street, thence by the centre line of Cambridge street to Fourth street, thence by the centre line of Fourth street to Vine street, thence by the centre line of Vine street to Fifth street, thence by the centre line of Fifth street to Potter street, thence by the centre line of Potter street to Third street, thence by the centre line of Third street to Broad canal at the point of beginning.

Ward Three. Beginning at the boundary line between *Ward III.* Cambridge and Somerville at Tremont street, thence by said boundary line to the extension of the centre line of North canal, thence by said extension and by the centre line of North canal to Binney street, thence by the centre line of Binney street to Bristol street, thence by the centre line of Bristol street to Hampshire street, thence by the centre line of Hamp-

Boundaries of
the several wards.
See S. 1886, c. 283,
and S. 1891, c. 364,
§ 3.

Ward I.

¹ Amended Aug. 5, 1901.

shire street to Tremont street, thence by the centre line of Tremont street to the boundary line between the cities of Cambridge and Somerville at the point of beginning.

Ward IV.

Ward Four. Beginning at Tremont street on Hampshire street, thence by the centre line of Hampshire street to Bristol street, thence by the centre line of Bristol street to Binney street, thence by the centre line of Binney street to North canal, thence by the centre line of North canal to Broad canal, thence by the centre line of Broad canal to the water of Charles river, thence by the water of Charles river to a point at right angles to Main street at Washington street, thence by a line at right angles to Main street to the junction of Main and Washington streets, thence by the centre line of Washington street to Norfolk street, thence by the centre line of Norfolk street to Massachusetts avenue, thence by the centre line of Massachusetts avenue to Prospect street, thence by the centre line of Prospect street to Broadway, thence by the centre line of Broadway to Tremont street, thence by the centre line of Tremont street to Hampshire street at the point of beginning.

Ward V.

Ward Five. Beginning at the boundary line between Cambridge and Somerville at Tremont street, thence by the centre line of Tremont street to Broadway, thence by the centre line of Broadway to Prospect street, thence by the centre line of Prospect street to Massachusetts avenue, thence by the centre line of Massachusetts avenue to Dana street, thence by the centre line of Dana street and said line extended northerly to the boundary line between Cambridge and Somerville, thence by said boundary line to Tremont street at the point of beginning.

Ward VI.

Ward Six. Beginning on Massachusetts avenue at Norfolk street, thence by the centre line of Norfolk street to Washington street, thence by the centre line of Washington street to the junction of Washington and Main streets, thence by a line at right angles to Main street southerly to the water of Charles river, thence by the water to the centre line of Magazine street extended, thence by said extension and by the centre line of Magazine street to Perry street, thence by the centre line of Perry street to Pearl street, thence by the centre line of Pearl street to Massachusetts avenue, thence by the centre line of Massachusetts avenue to Norfolk street at the point of beginning.

Ward VII.

Ward Seven. Beginning on Massachusetts avenue at Putnam avenue, thence by the centre line of Massachusetts avenue

to Pearl street, thence by the centre line of Pearl street to Perry street, thence by the centre line of Perry street to Magazine street, thence by the centre line of Magazine street, and said line extended southerly to the water of Charles river, thence by said water to Western avenue, thence by the centre line of Western avenue to Putnam avenue, thence by the centre line of Putnam avenue to Massachusetts avenue at the point of beginning.

Ward Eight. Beginning at the boundary line between Cambridge and Somerville at Sacramento street thence along said boundary line to its intersection with the centre line of Dana street extended northerly, thence along said extension and the centre line of Dana street to Massachusetts avenue, thence along the centre line of Massachusetts avenue to Putnam avenue, thence along the centre line of Putnam avenue to Western avenue, thence along the centre line of Western avenue to the water of Charles river, thence by the water of Charles river to Boylston street, thence by the centre line of Boylston street to Massachusetts avenue, thence by the centre line of Massachusetts avenue to Jarvis street, thence by the centre line of Jarvis street to Oxford street, thence by the centre line of Oxford street to Sacramento street, thence by the centre line of Sacramento street to the boundary line between Cambridge and Somerville at the point of beginning.

Ward Nine. Beginning at the boundary line between Cambridge and Belmont at Concord avenue, thence along the centre line of Concord avenue to Bond street, thence along the centre line of Bond street to Garden street, thence along the centre line of Garden street to Shepard street, thence along the centre line of Shepard street to Massachusetts avenue, thence along the centre line of Massachusetts avenue to Sacramento street, thence along the centre line of Sacramento street to Oxford street, thence along the centre line of Oxford street to Jarvis street, thence along the centre line of Jarvis street to Massachusetts avenue, thence along the centre line of Massachusetts avenue to Boylston street, thence along the centre line of Boylston street to the water of Charles River, thence by the water of Charles river to the boundary line between Cambridge and Watertown, thence along said boundary line to the boundary line between Cambridge and Belmont, thence along said last-named boundary, to Concord avenue at the point of beginning.

Ward Ten. Beginning at the boundary line between Cambridge and Somerville at Sacramento street, thence along said boundary line to its intersection with the centre line of Dana street, thence along said extension and the centre line of Dana street to Massachusetts avenue, thence along the centre line of Massachusetts avenue to Putnam avenue, thence along the centre line of Putnam avenue to Western avenue, thence along the centre line of Western avenue to the water of Charles river, thence by the water of Charles river to Boylston street, thence by the centre line of Boylston street to Massachusetts avenue, thence by the centre line of Massachusetts avenue to Jarvis street, thence by the centre line of Jarvis street to Oxford street, thence by the centre line of Oxford street to Sacramento street, thence by the centre line of Sacramento street to the boundary line between Cambridge and Somerville at the point of beginning.

bridge and Belmont at Concord avenue, thence along said boundary to the location of the Fitchburg railroad, thence along the centre line of said location to the boundary line between Cambridge and Somerville, thence along said last named boundary to Sacramento street, thence along the centre line of Sacramento street to Massachusetts avenue, thence along the centre line of Massachusetts avenue to Shepard street, thence along the centre line of Shepard street to Garden street, thence along the centre line of Garden street to Bond street, thence along the centre line of Bond street to Concord avenue, thence along the centre line of Concord avenue to the boundary line between Cambridge and Belmont at the point of beginning.

Ward XI.

Ward Eleven. Beginning at the boundary line between Cambridge and Somerville at the Fitchburg Railroad, thence along the centre line of the location of said railroad to the boundary line between Cambridge and Belmont, thence along said last named boundary line to the boundary line between Cambridge and Arlington, thence along said boundary line between Cambridge and Arlington to the boundary line between Cambridge and Somerville, thence along said last mentioned boundary to the Fitchburg railroad at the point of beginning.

SECT. 2. The several wards of the city shall each elect two members of the common council.

SECT. 3. This ordinance shall take effect for election purposes on the first day of November in the year nineteen hundred and two; for all other purposes on the first day of May in the year nineteen hundred and two.

Number of
members of the
common council to
be elected by each
ward.
S. 1891, c. 364, § 3.

CHAPTER 34.

WARRANTS AND ELECTIONS.

SECTION 1. The form of warrants for calling meetings of ^{Warrants.} _{S. 1801, c. 364,} the citizens of the several wards within their respective voting ^{§ 5.} precincts, shall be as follows, to wit:—

City of Cambridge.

To either constable of the city of Cambridge, Greeting: In ^{Form of warrants.} the name of the Commonwealth of Massachusetts, you are hereby commanded forthwith to warn the inhabitants of Ward No. , Precinct No. , in said city, qualified as the law directs, to assemble at the polling place in said precinct, on the day of , at o'clock in the noon, then and there to give in their ballots for

Hereof fail not, and make due return of this warrant with your doings thereon to the city clerk five days at least before the said day of meeting.

Witness , Esquire, president of the board of aldermen of our city of Cambridge, the day of , in the year one thousand eight hundred and

By order of the board of aldermen,

Approved,

City Clerk.

Mayor.

SECT. 2. All warrants for calling meetings of the citizens of the several wards within their respective voting precincts shall be issued by the board of aldermen and signed by the city clerk, shall be served by a constable of the city, and by him returned to the city clerk five days at least before the time of meeting therein specified.

^{Warrants, how issued, and by whom served and returned.}
_{P. S. c. 27, § 119.}

SECT. 3. Every such warrant for calling meetings of the citizens of the several wards within their respective voting precincts shall be served by posting an attested copy thereof at or near the polling place in the voting precinct named in the warrant seven days at least before the time of meeting.

^{Service of warrants.}

Time of opening
and closing
polls to be fixed
and inserted in
warrants.
S. 1890, c. 423.
S. 1891, c. 314.

Form of
warrants for
general meetings.

How served and
returned.

Proceedings at
general meetings.

SECT. 4. The board of aldermen shall fix the times for opening and closing the polls, at meetings held for the election of all officers, and shall state the same in the warrants for calling the meetings.

SECT. 5. All warrants for calling general meetings of the inhabitants of the city shall be substantially in the form prescribed in the first section, except that such meetings shall be held at such place in the city as the board of aldermen shall direct. They shall be served by a constable of the city, by posting one copy thereof in each of the several voting precincts, not less than seven days before the time of meeting, and be returned to the board of aldermen.

SECT. 6. The city clerk shall attend all general meetings of the citizens which may be held by virtue of warrants issued by the board of aldermen; shall open such meetings by reading the warrant therefor; and shall continue to preside thereat until a moderator is chosen. He shall keep in a separate book, a record of the proceedings of such meetings, and shall insert in the record copies of all reports or other documents upon which said proceedings have been founded.

CHAPTER 35.

BRIDGE CHARITABLE FUND.

SECTION 1. The fund given to the city of the late Levi ^{Name of fund.} Bridge shall be called the Bridge Charitable Fund; and the income therefrom shall be applied in accordance with the provisions of his deed of trust.

^{How to be applied.}

SECT. 2. The mayor, the president of the board of aldermen, and the president of the common council, shall be the trustees of said fund.

^{Trustees, of whom to consist.}

SECT. 3. Said trustees shall have the care and management ^{Care of fund.} of said fund, and shall keep the same invested in such manner as they deem expedient.

SECT. 4. The mayor shall be, *ex officio*, chairman of the ^{Annual report.} board of trustees; and the trustees shall keep a record of their doings, and, at the close of each financial year, make a report thereof to the city council.

CHAPTER 36.

SANDERS TEMPERANCE FUND.

Name of fund.

SECTION 1. The fund of ten thousand dollars given to the city by the will of the late Charles Sanders, shall be called the Sanders Temperance Fund.

Trustees.

SECT. 2. The mayor, the president of the board of aldermen and the president of the common council, shall be the trustees of said fund.

Duties of trustees.

SECT. 3. Said trustees shall have the care and management of said fund, and shall keep the same invested in notes of the city, with interest payable quarterly, at six per cent., to the order of the trustees; and they shall appoint an agent to be employed in the manner provided in the will of the donor of this fund, who shall receive his salary in equal quarterly payments from the trustees, and shall hold his office at their pleasure.

Chairman of board.

SECT. 4. The mayor shall be, *ex officio*, chairman of the board of trustees, and they shall keep a record of their doings, and annually, at the close of each financial year, make a report thereof to the city council.

Annual report.

Shall appoint an agent.

CHAPTER 37.

TRUANTS.

¹ SECTION 1. Any minor, between the ages of seven and fifteen years, convicted of being an habitual truant, or wandering about in the streets or public places of Cambridge, having no lawful occupation or business, not attending school, and growing up in ignorance, and such children as persistently violate the reasonable rules and regulations of the public schools, shall be committed to the Middlesex Truant School for a term not exceeding two years. The Middlesex County Truant School is the place provided for the confinement, discipline, and instruction of such children.

¹ Amended Dec. 19, 1894.

**Workhouse
established for
employment and
support of
various classes.
P. S. c. 33, § 1.**

**Almshouse to
be the
workhouse.**

CHAPTER 38.

WORKHOUSE.

SECTION 1. There shall be established in the city of Cambridge a workhouse for the employment and support of the following description of persons, that is to say, poor and indigent persons that are maintained by, or receive alms from, the city; persons who, being able of body to work, and not having estate or means otherwise to maintain themselves, refuse or neglect to work; persons who live a dissolute, vagrant life, and exercise no ordinary calling or lawful business; and persons who spend their time and property in public houses, to the neglect of their proper business, or who, by otherwise mispending what they earn, to the impoverishment of themselves and their families, are likely to become chargeable to the city.

SECT. 2. The present¹ Cambridge City House is hereby constituted and declared the workhouse of the city, as set forth in the first section of this chapter.

¹ Amended May 9, 1900.

CHAPTER 39.

DOGS.

SECTION 1. No person shall own or keep in the city any dog which by barking, biting, howling or in any other manner, disturbs the quiet of any person. Whoever violates this provision shall be liable to a penalty not exceeding ten dollars. P. S. c. 102,
§§ 109, 110.

CHAPTER 40.

SHUT-OFFS IN GAS SUPPLY PIPES.

Gas furnished
any public
building.

Whenever gas is furnished to any public building hereafter constructed and used as a church, public school, or public hall, or as an apartment or tenement house containing four or more suites of rooms, or as a manufactory when supplied by service pipe of not less than one inch in diameter, there shall be placed a proper shut-off in the supply pipe outside of such building, the expense thereof to be borne by the person or company supplying the gas.

CHAPTER 41.¹

GUNPOWDER AND EXPLOSIVE COMPOUNDS.

SECTION 1. No gunpowder, dynamite, gun-cotton, fulminate or other explosive compounds shall be kept within the city, unless it is well secured in tight casks, boxes or canisters, and no person shall store or keep for sale gunpowder, dynamite, gun-cotton, fulminate or other explosive compounds, in any building other than described in section 7 of this ordinance.

Gunpowder, etc.,
how to be kept.
P. S. c. 102, § 56.

SECT. 2. No gunpowder, dynamite, gun-cotton fulminate or other explosive compounds above the quantity of fifty pounds shall be kept or deposited in any shop, store or other building, or in a ship or vessel, which is within the distance of twenty-five rods from any building or from a wharf.

Above fifty
pounds not to be
kept within
twenty-five rods,
etc.
P. S. c. 102, § 56.

SECT. 3. No gunpowder, dynamite, gun-cotton, fulminate or other compounds above the quantity of twenty-five pounds shall be kept or deposited in any shop, store or other building within ten rods of any other building.

Above twenty-five
pounds not to be
kept within ten
rods, etc.
P. S. c. 102, § 56.

SECT. 4. No gunpowder above the quantity of one pound shall be kept or deposited in any shop, store or other building within ten rods of any other building, unless the same be well secured in copper, tin or brass canisters, holding not exceeding five pounds each, and closely covered with copper, tin or brass covers, according to the eighty-ninth section of the one hundred and second chapter of the Revised Laws.

Above one pound
not to be kept
within ten rods,
etc., unless, etc.
P. S. c. 102, § 56.

SECT. 5. No gunpowder, dynamite, gun-cotton, fulminate or other explosive compounds shall be conveyed through the streets of the City of Cambridge before one o'clock A. M., or later than five o'clock P. M., and then only if the same be enclosed in tight casks, boxes or canisters which shall prevent the escape of any particle of their contents, and conveyed in a rubber-tired vehicle, first approved by the Chief Engineer of the Fire Department. Said vehicle to be closely and entirely covered with leather or painted canvas, on the front, back and sides of which shall be painted the word "Dangerous" in black letters at least ten inches in height, the bottom and sides of which vehicle shall be lined with leather, felt or some other soft substance, so as to prevent friction; nor shall

Above one
hundred
pounds not to be
conveyed through
city, unless, etc.
P. S. c. 102, § 60.

Vehicle
containing
gunpowder.

¹ Amended Nov. 4, 1904.

any two or more vehicles containing gunpowder, dynamite, gun-cotton, fulminate or other explosive compounds be allowed within sixty rods of each other; nor remain in the City over night, nor stand more than ten minutes within two hundred yards of any dwelling house; nor be driven at a speed greater than a walk, nor unless said vehicle be attended by at least two men, one as driver and the other in direct charge or custody of said gunpowder, dynamite, gun-cotton, fulminate or other explosive compounds, being so conveyed.

SECT. 6. Every vehicle for the conveying of gunpowder, dynamite, gun-cotton, fulminate or other explosive compounds, in or through the City, shall be subject, at all times, to the inspection of the Mayor, any Alderman, police officer, or Engineer of the Fire Department.

SECT. 7. All persons who shall store or keep for sale gunpowder or any other explosive compounds above the quantity of one pound in any building shall, immediately on the receipt of such gunpowder or other explosive compounds, deliver to the Chief Engineer of the Fire Department a statement in writing of the amount of such gunpowder or other explosive compounds kept or proposed to be kept, together with an accurate description of the building and of the room or rooms of the building in which the same is kept, or is proposed to be kept.

Inspection of
vehicles
containing
gunpowder.
P. S. c. 102, §80.

Persons keeping
explosive
compounds in
any building
shall notify chief
engineer of fire
department.
S. 1882, c. 269.

CHAPTER 42. ¹⁻²⁻³⁻⁴⁻⁵BOTTLES, JUNK, OLD METALS, SECOND-HAND ARTICLES, RAGS,
BARRELS AND BOXES.

SECTION. 1. No person, corporation, member of a co-partnership or firm shall solicit for, be a collector of, or dealer in junk, old metals, second-hand articles or rags, or keeper of a shop for the purchase, storage, sale, or barter of junk, old metals, second-hand articles or rags in this City unless duly licensed therefor by the Board of Aldermen, and unless such person, corporation, co-partnership or firm complies with all ordinances and laws now and hereafter enacted and passed with reference and applicable to junk old metals, second-hand articles and rags.

*SECT. 2. Each license issued to such dealers in bottles, ^{Form of license.} junk, old metals and second-hand articles, and collector and dealer in rags, barrels and boxes, shall set forth the name of the party licensed, the nature of the business, and the building, place or vehicle in which it is to be carried on, and shall continue in force until the first day of May, next ensuing, unless sooner revoked. The place of business shall not be changed during the continuance of the license except by special consent of the Board of Aldermen. The fees for ^{Fee.} licenses shall be as follows: For keepers of shops for the purchase, storage, sale, barter, or exchange of bottles, junk, old metals, second-hand articles and rags, except for keepers of shops for the purchase, storage, sale, barter, or exchange of household furniture, and for such solicitors, collectors of and dealers in ^{the} aforesaid articles, Ten Dollars (\$10.00) for each license. For keepers of shops for the purchase, storage, sale, barter or exchange of household furniture, Five Dollars (\$5.00) for each license. For dealers in barrels and boxes, Five Dollars (\$5.00) for each license. For collectors of barrels and boxes, Fifty Cents (\$.50) for each license. No

¹ Amended April 4, 1900.

² Amended May 10, 1900.

³ Amended Dec. 28, 1900.

⁴ Amended April 29, 1908.

⁵ Amended May 10, 1910.

⁶ Amended Jan. 23, 1911.

such license should be transferable,¹ nor shall such license be exercised on legal holidays.

To keep record of purchases, etc.

SECT. 3. Every keeper of a shop for the purchase, storage, sale or barter of junk, old metals, second-hand articles or rags shall keep a book in which shall be legibly written in the English language at the time of purchase of any article a description thereof, the name, age and residence, giving street and number, when possible, of the person from whom and the day and hour when such purchase was made. No entry in such book shall be changed, erased, obliterated or defaced. Such book, any such shop and all articles of merchandise therein shall be open at all times to the examination of the Mayor, Aldermen, or any person authorized by either of them to make such examination.

To put signs on shops.

SECT. 4. Every such keeper of a shop shall put in some suitable and conspicuous place on his shop a sign having his name and occupation legibly inscribed thereon in large letters, so that the same may be distinctly seen.

Purchase from minor.

SECT. 5. No keeper of such shop, and no solicitor, collector or dealer shall, directly or indirectly, either purchase or receive by way of barter or exchange any junk, old metals, second-hand articles or rags of a minor or apprentice, knowing or having reason to believe him to be such.

SECT. 6. No article purchased or received by any keeper of such shop shall be sold until a period of at least one week shall elapse from the date of its purchase or receipt.

SECT. 7. No keeper of any shop shall have his shop open for the transaction of business, nor shall he purchase, sell, or barter any junk, old metals, second-hand articles, or rags, except between sunrise and ten o'clock in the evening of any week day.

SECT. 8. Every vehicle used in the collection of junk, old metals, second-hand articles or rags shall have the name of the owner and the number of his license,² painted upon the outside of each side of his vehicle in plain, legible letters and figures of not less than one and one-half inches in height, so that they may be distinctly seen. The contents of such vehicles shall be subject at all times to the examination of the Mayor, Aldermen, or any person authorized by either of them to make such examination.

SECT. 9. A violation of any provision of this or any subsequent ordinance that may be passed in the premises shall of

¹Amended June 27, 1913.

²Amended May 17, 1912.

itself be sufficient cause and reason to revoke any such license. The Board of Aldermen reserve the right at any time for any other cause sufficient to them to revoke any such license.

SECT. 10. Whoever, not being so licensed, keeps such shop, or is such solicitor, collector or dealer, or being licensed, keeps such shop, or is such solicitor, collect or dealer, in any other place or manner than that designated in the license, or after notice to him of the revocation of his license, shall forfeit Twenty Dollars for each offence; and whoever violates any rule, regulation or restriction contained in his license, shall forfeit a sum not exceeding Twenty Dollars for each offence.

SECT. 11. Chapter forty-two of the Revised Ordinances of the City of Cambridge, as amended to November 8, 1899, and ordinances in amendment of the same, approved, respectively, April 4, 1900, and May 10, 1900, are hereby repealed.

SECT. 12. This ordinance shall not affect any act done, any right accrued, and suit, prosecution, or proceedings pending at the time when it takes effect, nor shall the repeal of the ordinance mentioned in section eleven of this ordinance have the effect of reviving an ordinance theretofore repealed or superseded or the effect of preventing any punishment or penalty incurred before the repeal took effect, or of interfering with any suit, prosecution or proceeding pending at the time of the repeal for an offence committed under the ordinance repealed.

CHAPTER 43.

PETROLEUM.

License for manufacture and storage of petroleum to be obtained of board of aldermen.
P. S. c. 102,
§§ 73, 75.

SECTION 1. Any person desiring to manufacture, refine, mix, store, or keep for sale any oil or fluid, composed wholly or in part of any of the products of petroleum, in any place, except as provided in the seventy-second section of chapter one hundred and two of the public statutes, shall apply in writing for a license therefor, to the board of aldermen; and shall state in his application the place, building, or part of a building, for which he desires a license, and whether he desires a license for manufacturing, refining and mixing said articles, or any of them, or a license for storing or keeping them, or both. Such application shall be referred to the chief engineer of the fire department, who shall, within one week from the time of such reference, examine, or cause to be examined by one of the call district chiefs, the place or building described in such application, and report in writing to the board of aldermen his opinion of the propriety of granting the license; but this section shall not apply to quantities not exceeding fifty gallons kept by families for their private use, nor to quantities not exceeding one hundred gallons kept in manufactories for use on the premises.

SECT. 2. No license shall be granted for manufacturing, refining, mixing, storing or keeping said articles, or any of them, upon any alley, sidewalk, street or wharf, nor upon any floor of a building above the first floor.

SECT. 3. No license shall be granted for mixing, storing or keeping crude petroleum naphtha, or gasoline, in any part of a building above the cellar, unless said articles are contained in metallic vessels securely closed.

SECT. 4. No license shall be granted for, and no person shall sell or keep for sale at retail, for illuminating purposes, refined petroleum, or any product of petroleum, unless the same has been inspected and approved by an inspector duly authorized by some city or town in this Commonwealth.

SECT. 5. Except as hereinbefore provided, licenses may be granted for manufacturing, refining, mixing, storing and keeping said articles, or any of them, in cellars, or upon the

Petroleum to be kept in metallic vessels in certain cases.

No license to be granted unless inspected.
S. 1886, c. 122.

Licenses may be granted under certain restrictions.

first floor of buildings, or in other suitable localities, in such quantities over one hundred gallons, and in such a manner as the board of aldermen may determine except that no license shall be granted for manufacturing, refining, mixing, storing or keeping said articles, or any of them, upon the first floor of any building in a greater quantity than four hundred gallons, unless the same be contained in metallic vessels securely closed, or the foundations and walls of said building be of brick, stone or iron, and the sills or walls of said building be built without apertures for a space of at least one foot above the floor.

SECT. 6. There shall be expressed in said license the name of the person to whom the license is granted, and whether he is permitted to manufacture, refine and mix said articles, or any of them, or to store or keep them, or both; and a description of the place, building or part of a building licensed, and any limitations upon the quantity of said articles, or any of them, which may be manufactured, refined, mixed, stored or kept therein, or upon the manner of manufacturing, refining, mixing, storing or keeping the same, which the board of aldermen may in each case see fit to impose; and any person so licensed may manufacture, refine, mix, store or keep said articles, or any of them, according to the terms of his license, either on his own account or on account of any other person.

SECT. 7. Any person holding such a license shall allow the chief engineer of the fire department, or any of the call district chiefs, or any inspector appointed by the board of aldermen, to enter the premises described in the license, and take such samples of oils, and make such examinations of the premises, as said engineers or inspectors deem expedient. Any violation of the terms of said license shall work a revocation of the same, and the board of aldermen may revoke such license at any time.

SECT. 8. The chief engineer of the fire department shall make complaint to the third district court of Eastern Middlesex of all violations of the provisions of section seven of chapter fifty-nine or of sections sixty-nine to seventy-five, inclusive, of chapter one hundred and two of the public statutes, and bring suits in the name of the mayor of the city against all persons who manufacture, refine, mix, store or keep for sale any oil or fluid, composed wholly or in part of the products of petroleum, without the license required by this chapter.

License to express certain facts, etc.

Premises to be open to the inspection of certain officers.

Violation.

Chief engineer to make complaints and bring suits.

CHAPTER 44.

UNDERTAKERS.

**Undertakers,
appointment of.**
P. S. c. 32, § 6.

**No other person
to bury or
remove dead
body.**

**Notice of death
to be given to
an undertaker.**

**Duties of
undertakers.**
P. S. c. 207, § 24.

**Undertakers
may employ
porters.**

**Opening of
graves.**

**Fees of
undertakers.**

SECTION 1. Annually, in the month of January, or within sixty days thereafter, the mayor, subject to confirmation by the board of aldermen, shall appoint a suitable number of undertakers, who shall hold office for one year from the first Monday in February in the year of their appointment, unless sooner removed. No person except such undertaker, or one appointed by him acting in his place, shall bury or remove the body of any deceased person, or undertake the management of any funeral.

SECT. 2. Whenever any person dies within the limits of the city, the nearest relative, or the person in whose house the death occurred, or any other person who has first become informed of the event, shall cause the same to be made known to an undertaker as soon as practicable. Any undertaker informed of the decease of any person within the limits of his district, shall take the personal charge of all necessary arrangements for the removal and burial of the body of the deceased, and shall be responsible for the decent, orderly and faithful management of the funeral undertaken by him, and for a strict compliance with the ordinances of the city in this behalf.

SECT. 3. Each undertaker may employ porters of a discreet and sober character to assist him, and he shall be accountable for their conduct. Said undertakers and porters may be removed at the pleasure of the mayor and aldermen. No person not appointed as aforesaid shall open any tomb or grave for the purpose of depositing or removing a dead body, without the permission of the board of health.

SECT. 4. For services rendered in accordance with the provisions of this chapter, an undertaker shall be entitled to receive the following fees, and no more, to wit:—

For a hearse with one horse, five dollars.

For a hearse with two horses six dollars.

For services of himself and of his assistants at the house, and in carrying the body from the house to the grave or tomb,—for a person twelve years of age and upwards, four

dollars; for a person less than twelve years of age, two dollars and fifty cents.

For carrying a body out of the city, he shall be allowed, in addition, fifty cents for every mile which he shall carry the same beyond the limits of the city.

The foregoing table of fees shall be printed upon the license issued to an undertaker.

The compensation required by law to be paid for obtaining and returning the information required by statute concerning persons deceased, shall be understood as included in the foregoing fees.

Fees for
returning
deaths.
P. S. c. 32, § 4.

CHAPTER 45.

GENERAL REGULATIONS FOR STREETS, COMMONS, RESERVOIRS,
AND OTHER PUBLIC PLACES.*Streets.*

P. S. c. 27, § 15.
P. S. c. 3, § 3,
cl. 15.

Remaining on
sidewalk so as
to obstruct
travel forbidden;
penalty.

Climbing trees,
posting bills on
trees, and tying
horses to trees
forbidden.
P. S. c. 54, §§ 7, 8.

Grazing animals,
etc., feeding and
going at large
forbidden.
P. S. c. 53, § 10.

Fast driving
prohibited;
P. S. c. 53, § 13.

Teams not to
stop on flagging
stones.

SECTION 1. No person shall remain for a longer time than twenty minutes upon a sidewalk in such a manner as to obstruct the free passage of foot travellers, or upon any building, to the annoyance or disturbance of any person, nor shall any person habitually loiter and remain upon a sidewalk in said manner, after having been within three months previously requested by a police officer to cease so doing, nor shall any person remain on a sidewalk in said manner for more than five minutes after being requested by a police officer to move on.

SECT. 2. No person shall climb a tree in any street or fasten or tie a horse or other animal to, or post a bill upon, any such tree, or allow any horse or other animal owned by him, or under his control to stand so near any such tree, that such tree may be gnawed or otherwise injured by such horse or other animal so allowed to stand, and no person shall place a sign upon or around any tree on any street of the city.

SECT. 3. No owner or person having the care of any domestic fowls, or any goats, sheep swine, horses, oxen, cows, or other grazing animals, shall permit or suffer the same to go at large, or to graze on any street¹; and no person shall publicly exhibit any animal in the streets or public places of the city except in accordance with a permit from the superintendent of the streets or a license from the board of aldermen.

SECT. 4. No person having the care or use of a horse or other beast of burden, carriage, or draught, shall ride, drive or permit such horse or other beast to go at a greater rate of speed than eight miles an hour in any street.

SECT. 5. No person shall stop his team or carriage, or unnecessarily place any other obstruction, on any flagging-stones or other footways laid in or across any street, nor

¹ Amended June 30, 1893.

suffer his wagon or other vehicle to remain an unnecessary length of time in any street.

SECT. 6. No person shall, by any noise, gestures, words or other means, wantonly and designedly frighten or drive any horse in any street.

Frightening horses forbidden.

SECT. 7. The owners and occupants of stables shall not wash or clean carriages or horses in the streets, or cause them to be there washed or cleaned, nor shall they otherwise encumber the streets.

Carriages and horses not to be cleaned in streets, etc.

SECT. 8. No person shall expose, in or upon any street, public ground or common, any table or device of any kind, by or upon which any game of hazard or chance can be played; nor shall any person play any such game at such table or device, in or upon any street, public ground or common.

Gaming, or exposing gaming devices forbidden.

SECT. 9. No person shall place or keep any table, stall, booth or other erection, in any street, public place or any sidewalk, for the sale of fruit or other things, without permission from the mayor.

No tables, stalls, etc., in street without permission.

SECT. 10. No person shall, except in the performance of some legal duty, discharge any gun, pistol or other fire-arm, within the city limits.

Discharge of fire-arms forbidden

SECT. 11. No person shall make a bonfire in any street.

No bonfires allowed.

P. S. c. 206, § 12.

SECT. 12. No person shall injure, deface or destroy any guide-post or guide-board, any lamp-post, or lamp or lantern thereon; or any tree, building, fence, post or other thing, set, erected or made for the use or ornament of the city.

Injuring guide-boards, lamp-posts and trees forbidden.

See P. S. c. 203,

§ 76.

SECT. 13. No person shall paint or draw any words or figures, or post any written or printed matter, upon the property of any private person or corporation, without the consent of the owner or occupant thereof, nor upon any property of the city, without the consent of the mayor.

Defacing property forbidden.

SECT. 14. No person shall play ball, or throw a stone, or a snow ball, or other missile in any street, or upon or from any bridge.

Also playing ball, throwing stones, etc.

SECT. 15. No person shall shoot with or use a bow and arrow or air-gun in a street, or upon or from any bridge.

Also using bow and arrow

¹SECT. 16. No person shall coast upon a sled on any street of this city without the written permission of the mayor; and without such written permission no person, in any public street or square of this city, shall ride a bicycle or

Also coasting, except, etc.

P. S. c. 53, § 15.

¹ Amended Dec. 5, 1894.

Riding bicycle
and tricycle.

Use of velocipedes.

Also bathing
in view of
spectators.

Also cleaning
carpets.

Possession of
clubs, etc.,
forbidden.

Also toy pistols,
rubber slings, etc.
S. 1882, c. 272.

Also disorderly
conduct on street.

No dirt, etc.,
to be placed in
any drinking
fountain, etc.

Lighting, etc.,
street lamps
without authority
forbidden.

Show-boards,
etc., not to be
carried on
sidewalk.

tricycle at a rate of speed exceeding ten miles an hour, and only for the time, and upon such portions of the public ways, streets, or squares aforesaid as may be specified in said permit. Such reasonable conditions shall be attached to such permits as the mayor may deem proper, and in accord with the circumstances and for the occasion for which the permits may respectively be granted. Between the hours of eight o'clock in the morning and five o'clock in the afternoon, children under the age of fourteen years may use the velocipedes on any sidewalk in any public way, street, or square of this city. In no part of any public grounds, commons, enclosures, and parks, now or that hereafter may be under the general charge of the park commissioners, shall children use a velocipede without the written permit of the park commissioners.¹

SECT. 17. No person in a nude state shall swim or bathe in any waters within or surrounding the city, so as to be exposed to the view of passengers or other persons in any street or house within the city.

SECT. 18. No person shall shake or otherwise clean a carpet in any street.

SECT. 19. No person shall have in his possession a club or bludgeon, on any street, with intent to use the same in a sport, sham-fight or strife, or to intimidate any person or horse.

SECT. 20. No person shall have in his possession a toy-pistol, crotch, rubber sling, or other device for throwing missiles of any kind, with intent to use the same to the injury of persons or property, or to the annoyance or discomfort of any person, upon any street.

SECT. 21. No person shall behave himself in a rude or disorderly manner, or use any indecent, profane or insulting language, in any street or public place.

SECT. 22. No person shall place in any drinking fountain, trough, or basin of water, set up or established in any street in the city, for the use of man or beast, any dirt, stone, ashes, rubbish, offal, filth or any other foreign matter,¹ or unnecessarily waste or use the water thereof.

SECT. 23. No person shall light or extinguish, without authority, any public lamp in any street.

SECT. 24. No person shall, without authority from the mayor, place or carry, or cause to be placed or carried, on

¹ Amended Oct. 25, 1906.

a sidewalk, a show-board, placard, or sign for the purpose of there displaying or attracting attention to the same.

SECT. 25. No person shall drive, ride, wheel, or draw any coach, cart or other carriage, or permit any horse, cattle, swine or sheep, under his care, to go upon any sidewalk, except for the purpose of crossing as nearly as may be at right angles to such sidewalk in order to go into or out of some adjoining enclosure; provided, that this section shall not apply to children's carriages or sleds containing children and drawn by hand; nor shall he otherwise occupy, obstruct, injure, or encumber any such sidewalk so as to interfere with the convenient use of the same by travellers.

SECT. 26. No person shall place, or cause to be placed, upon any sidewalk, any lumber, iron, coal, trunk, bale, box, crate, cask, package, article or thing whatsoever, whether of the same description or not, so as to obstruct a free passage for travellers for more than fifteen minutes.

No person shall wilfully and maliciously tip over and spill out the contents of any box or barrel containing ashes or other house dirt set upon the sidewalk. No person shall throw or place upon any sidewalk or cross-walk any banana skin, orange peel or other slippery substance.¹

No person shall carry or cause to be carried on any vehicle in any street, a load the weight whereof exceeds fifteen net tons, without the written permission of the Superintendent of Streets.

Bridges.

SECT. 27. No person shall deface or injure any public bridge or any wharf connected therewith, or unnecessarily open the draw of any such bridge, or obstruct the passage of the same; nor shall any person, without the consent of the draw-tender, make fast to any public bridge, or draw, or guard, or pier thereof, any vessel, scow, raft, or float, or remain inside of the draw-gates, or on any pier, wharf, fender, or appurtenance of such draw while such gates are closed; nor shall any person, having under his charge a vessel passing through the draw of any such bridge, refuse or neglect to comply with the directions of a draw-tender relating to such passing.

Commons and Public Grounds.

SECT. 28. No person shall climb a tree on any common

¹ Amended Nov. 14, 1902.

Vehicles, horses, etc., prohibited on sidewalks.
P. S. c. 53, § 15.

Obstruction of sidewalks by lumber, boxes, etc.

Tipping over of ash-barrels, etc., forbidden.

Bridges, regulations concerning.

Trees, climbing, tying animals to, and posting bills on, forbidden.

Horses not allowed on, except, etc.

Grazing animals not allowed on.

Turf, etc., not to be dug, etc.

Filth, dirt, etc., not to be placed on.

Wheelbarrows, etc., not allowed on.

Cleaning carpets forbidden.

Athletic sports not allowed, except, etc.

Nor public speaking.

or other public ground, nor tie a horse or other animal to, nor post a bill, nor place a sign upon or around any tree on any common or other public ground of the city.

SECT. 29. No person, except by permission of the mayor, shall ride, lead, or drive a horse, in or upon the commons or other public grounds, except that on occasion of a military exercise, parade or review, horses necessary for the purposes thereof may be allowed upon any common, or other public grounds, used for such exercise, parade or review.

SECT. 30. No owner or keeper of a horse or other grazing animal shall suffer the same to go at large or feed upon any common or other public grounds.

SECT. 31. No person, except by permission of the mayor, and for some public use, shall dig or carry away any sward, gravel, sand, turf, or earth from, nor carry or cause to be carried upon any common or other public grounds, any carcass, ordure, filth, dirt, stones or any offensive matter whatever, or throw or place thereon any stones, sand, gravel, tan, earth, rubbish or other substance.

SECT. 32. No person shall carry or cause to be carried upon any common or other public grounds, a wheelbarrow, handcart,¹ or other vehicle, for the conveyance of burdens, or for pleasure, except children's carriages.

SECT. 33. No person shall shake or otherwise clean a carpet on any common or other public grounds; and no person shall commit a nuisance thereon; ² and no person other than an employee of the city engaged in its work shall pick over or otherwise disturb any refuse material, house dirt, or ashes set out in the streets or sidewalks for collection by the city, or deposited by the city on any dumping-place, except in accordance with a permit from the board of health.

SECT. 34. No person, except by permission of the mayor shall engage in a game of ball, boot-ball, or base-ball, or other athletic sports upon any common, or other public grounds, except upon such portions thereof as may be set apart for such purposes.

SECT. 35. No person, except by permission of the mayor, shall deliver a sermon, lecture, address, or discourse on any common or other public grounds,¹ nor on any public street or way.

¹ Amended July 23, 1901.

SECT. 36. No person, except by permission of the mayor, shall expose for sale or sell any goods, wares or merchandise on any common or other public grounds, nor erect nor maintain a booth, stand, tent or apparatus of any kind, for purposes of amusement or show thereon.

Nor sales of goods, etc., nor booths, tents, etc.

SECT. 37. No person shall pull up, break, cut or deface any of the seats, fences, or railing upon or around any common or other public grounds, nor deface any monument or statue on any common, nor interfere with any of the hydrants upon any common or other public ground.

Injury to seats, fences, etc., forbidden.

SECT. 38. No person shall walk, stand, sit, or lie down in or upon, or pull a flower or plant out of a flower-bed on any common or other public grounds, nor suffer a dog or other animal belonging to him, or in his charge, to stand or walk upon such flower-bed.

Walking, etc., on flower-beds forbidden.

SECT. 39. No person shall walk, stand, or lie upon the grass upon any common or other public grounds where such walking, standing or lying has been prohibited, and notice of such prohibition given to the public by legible notices placed on such common or public ground.

Also walking, etc., on grass.

SECT. 40. No person shall throw a stone, snowball or other missile on any common or public grounds.

Also throwing missiles, etc.

SECT. 41. Whoever violates any provision of the preceding sections of this chapter shall be liable to a penalty of not more than twenty dollars for each offence.

Penalty.

Reservoirs for Water Supply.

SECT. 42. Fresh Pond is hereby constituted a reservoir, storage basin and water supply for the use of the city. No person shall fish, or swim, or bathe, or permit any animal under his control to swim or bathe in Fresh Pond, or other reservoir of the water-works, or enter into the waters thereof, or place or use a boat in the same, or throw dirt, rubbish, filth, offensive or other foreign matter, or commit a nuisance therein, or on the land and driveways of the city connected therewith and appurtenant thereto.¹ *Provided*, however, that the water board may permit fishing in Fresh Pond Reservoir between the hours of four and eight o'clock A. M., under such rules and restrictions as it may establish from time to time, to control the same.

Fishing, swimming, bathing, etc., forbidden.
P. S. c. 27, § 18.

SECT. 43. No person shall go upon the ice of Fresh Pond, or any other reservoir of the water-works for the purpose of

Going upon the ice, etc., forbidden.

¹ Amended Nov. 10, 1890.

skating or place or use a sled, ice-boat, sleigh or vehicle thereon.¹

**Heavy teaming
forbidden on
driveway.**

SECT. 44. No person shall drive a team, cart, wagon or other vehicle, for the conveyance of burdens, upon the land and driveway connected with, and appurtenant to, Fresh Pond.

**Also funeral
processions.**

SECT. 45. No person shall drive or conduct a funeral, or a hearse or carriage connected with a funeral, on the driveway of Fresh Pond.

Also fast driving.

SECT. 46. No owner or other person having for the time being the charge or use of a horse or other animal, shall drive or permit such horse or other animal to go at a greater rate of speed than eight miles an hour upon the driveway or within in the enclosure of Fresh Pond.

**Injury to trees,
etc., forbidden.**

SECT. 47. No person shall injure, deface or destroy any tree, shrub, grass, path, fence, building or wall on the land and driveway connected with, and appurtenant to, Fresh Pond, or other reservoir of the water-works, or dig or carry away the sward, gravel, rock, stones, sand, turf or earth on such land and driveway.

**Also climbing
trees, etc.**

SECT. 48. No person shall climb a tree on the land connected with, and appurtenant to, Fresh Pond or other reservoir of the water-works, or tie a horse or other animal to a tree or fence on such land.

**Also posting
bills, etc.**

SECT. 49. No person shall post a bill, placard or advertisement within the grounds connected with Fresh Pond or other reservoir of the water works.

**Penalty.
P. S. c. 27, § 18.**

SECT. 50. Whoever violates any provision of the preceding eight sections of this chapter shall be liable to a penalty of not more than fifty dollars for each offence.

²SECT. 51. No person shall ride or propel or cause to be propelled vehicles other than those propelled or drawn by horses or persons, upon the driveway of Fresh Pond at a rate of speed exceeding ten miles an hour. Any person violating the provisions of this section shall be liable to a penalty for each offence of not more than two hundred dollars, or of imprisonment for a term not exceeding ten days, or of both such fine and imprisonment. .

¹ Amended Nov. 10, 1899.
² Amended July 3, 1902.

⁴ CHAPTER 46.

RINGING OF BELLS AND GONGS IN THE PUBLIC STREETS.

SECTION 1. No person in any public street of the city shall <sup>Ringing of gongs
prohibited, etc.</sup> ring a bell or gong, between the hours of ten o'clock P. M., and six o'clock A. M., except as a warning of danger.

SECT. 2. Whoever violates any provision of this ordinance ^{Penalty.} shall be liable to a penalty of not more than twenty dollars for each offence.

¹ Approved July 28, 1807.

CHAPTER 47.

DISPOSAL OF LITTER AND RUBBISH IN STREETS, COMMONS,
PUBLIC PLACES AND SQUARES.**Disposal of litter,
etc., in streets.**

SECTION 1. Except as heretofore otherwise provided by ordinance, no person shall deposit, drop, place, put, sweep or throw into or upon any street, common, public place or square in this city any ashes, board, bottles, bricks, card, cinders, house dirt, iron or steel filings, glass, hand-bill, hair, piece of hoop, noxious or refuse liquor, manure, nail, offal, waste paper, sawdust, shavings, shells of any kind, shreds, soot, stones, animal or vegetable substance, solid matter or substance, sweepings, tin cans, wood, or filth, or rubbish of any kind.¹ Nor shall any person distribute in a public street, or to persons on the street, or place or cause to be placed, handbills, cards, circulars or papers of any kind, except newspapers.

Penalty.

SECT. 2. Whoever violates, causes, assists in or procures the violation of any provision of this ordinance shall be punished by a fine not exceeding twenty dollars for each offence.

¹ Amended Dec. 23, 1910.

¹CHAPTER 48.**CHILDREN UNDER SIXTEEN YEARS OF AGE**

SECTION 1. No child under sixteen years of age, shall be, loiter or remain upon any street, highway, park or other public way or place in this city after the hour of half past nine o'clock in the afternoon of any day, unless accompanied by, or under the control or care of a parent, guardian or other adult person, or performing or returning from employment or from the performance of some duty, directed in writing by said parent, guardian or other adult person, and no such child, while performing such duty, or returning from the performance thereof, or from employment, shall loiter upon any such street, highway, park or other public way or place.

Children under
sixteen years
of age not to
loiter in street,
etc., after
9:30 P. M.

SECT. 2. Any persons violating any of the provisions of this ordinance shall be liable to a penalty not exceeding five dollars for each offence. ^{Penalty.}

¹ Approved July 27, 1898.

¹CHAPTER 49.

CONTINUANCE OF PAY OF CITY EMPLOYEES.

Employee,
injured, to
petition city
council, etc.

SECTION 1. Every employee of the city injured while in the performance of his duty without fault on his part, in order to entitle him to compensation under chapter 364 of the acts of 1894 and any and all acts that may be enacted in addition thereto and supplementary thereto, shall petition the city council upon blanks to be prepared by the city solicitor, in which petition shall be set forth the time, place, and cause of the injury and his willingness to communicate and disclose all facts and circumstances relating and appertaining to said injury.

Petition referred
to committee on
claims.

SECT. 2. Said petition shall be forthwith referred to the committee on claims, who shall investigate and report upon the same with such recommendations as to the length of time, if any, for the continuance of the pay of the injured employee thereon as to the committee may seem proper.

SECT. 3. Upon the happening of any accident to any employee, the city physician and city solicitor shall be forthwith notified by the department in which the injured person was then employed.

SECT. 4. After an investigation of the facts relating to the injury and an examination from time to time of the injured person by the city physician as to the extent of the injuries, all of which shall be under the direction of the city solicitor, a report shall be made by the latter in which shall be annexed a certificate of the city physician in a form satisfactory and as the city solicitor may deem to be in accordance with the statutes in such cases now and hereafter provided.

Hearing.

SECT. 5. The committee on claims, in addition to the report of the city solicitor, may hear such other facts as they may deem proper and shall report thereon to the city council. If the committee is in favor of the continuance of pay of such employee, and if their report is adopted by the council and approved by the mayor, the amount so allowed shall be entered upon the books of and verified by the depart-

Report of
committee.

ment in which the injured was employed at the time the injury was sustained.

SECT. 6. Upon a certificate of and verification by the superintendent or head of department in which the injured was employed that the time allowed by the committee is correct, the amount of wages shall be forthwith paid upon the draft of the mayor upon the execution by the injured person of a receipt and release in full of all demands against the city for any and all injuries arising out of or in any way connected with said injury.

*Certificate
from head of
department
before payment
is made.*

SECT. 7. Should the disability continue beyond the time of the first payment or thereafterwards appear, further payments may be had and made from time to time upon other petitions of the injured, after investigation and report thereupon by the committee on claims, upon the certificate of the city physician, the adoption of the same by the city council and approval of the mayor, under the general forms, provisions and conditions as are hereinfore provided.

*Further payment
should disability
continue.*

¹CHAPTER 50.

CITY PHYSICIAN.

**City physician,
appointment of.**

SECTION 1. The city physician at the time of his appointment shall be a resident of Cambridge, a graduate of a legally incorporated medical school and have practised as such physician for at least five years continuously prior to his appointment.

Duties.

SECT. 2. It shall be the duty of the city physician to attend, under the general direction of the overseers of the poor, upon all sick and insane paupers and other patients under the care of the city authorities at the almshouse or elsewhere; to vaccinate, free of charge, all persons sent to him by the overseers of the poor, and such scholars of the public schools as the school committee shall direct, and all other needy residents of the city who may apply to him; to give certificates of examination to such children of the public schools as he shall have effectually vaccinated; to examine all candidates for appointment to the police force and fire department; under the direction of the city solicitor to examine the condition of all officers upon the police force and fire department and all employees of the city incapacitated from the performance of their several duties and all cases of injuries upon the highway or elsewhere whereby the city may become liable, and render written report thereon to the city solicitor as and when required by the latter, together with such certificates as the law and ordinances may require; upon application to sign the certificate of the cause of death to the best of his knowledge and belief, if there has been no physician in attendance; at the request of the officers in charge upon the police stations and lockups to attend and give, free of charge, the necessary medical and surgical treatment to the prisoners therein; at the request of the city solicitor to render professional aid in court or otherwise as the latter may designate, in all suits and matters wherein the city is or may be interested; in case of an alarm of any infectious or contagious disease, or other cause of nuisance, to give to either branch of the city

¹ Approved Oct. 22, 1896.

council or any committee thereof all such professional advice, service and counsel as they may require; and in general, to perform all the duties and render all the services now and that hereafter may be incumbent upon him by the laws of the commonwealth or the ordinances of the city now or that hereafter may be in force.

SECT. 3. The city physician shall receive such salary as the Salary. city council may by ordinance from time to time determine, which shall be in full of all services performed by him. He may expend to an amount not exceeding appropriations made for that purpose such sums as he may necessarily expend in the administration of the affairs of his office. He shall keep an account of his expenditures and certify by his signature upon all bills his approval of the same, and the same shall be audited, charged and paid in the manner as now provided by ordinance for bills of executive boards and heads of departments.

Account of expenditures.

SECT. 4. The city physician may employ such permanent Employment of assistants. assistant or assistants for such time and compensation as the city council may from time to time determine, and in all cases he shall be responsible for the conduct of such assistant or assistants.

SECT. 5. Annually, in the month of December, the city Annual report. physician shall make report to the city council of the professional services rendered by him, with such suggestions as he may deem proper.

CHAPTER 51.

CO-OPERATION AMONG THE DEPARTMENTS AND BOARDS.

**Meetings of
department heads.**

For the purpose of promoting co-operation in the several city departments and executive boards, the Mayor shall call meetings of the heads thereof, at the City Hall, every alternate month. He may invite other persons for conference at these meetings.¹

CHAPTER 52.

GUIDES IN THE CITY OF CAMBRIDGE.

**License and
duties.**

No person, unless licensed as hereinafter provided, shall act as a guide for hire in or upon any street, public ground, or common. The Mayor shall grant licenses to one or more reputable and qualified persons to act as guides in and upon any street, public ground or common, who shall pay therefor the sum of one dollar. Such duly licensed person, when engaged as guide for hire, shall wear, conspicuously placed on the front of his coat or hat, a badge containing the words "licensed guide" and shall produce for inspection the license issued as aforesaid, when requested by any public officer.

CHAPTER 53.

²CITY HOSPITAL.

SECTION 1. The hospital department shall be under the charge of the trustees of the Cambridge City Hospital, consisting of five trustees, who shall have charge of the Cambridge City Hospital and of the construction, care and maintenance thereof; shall purchase all fuel and other supplies required therefor; shall make all needful improvements in the lands and ground connected with the City Hospital; shall have charge of all real estate held for purposes connected with the City Hospital, and pay or cause to be paid to the City Treasurer the incomes thereof.

Hospital department in charge of trustees.

Duties.

SECT. 2. Said trustees shall admit to the City Hospital sick or injured persons requiring only temporary relief, unless for good cause, and shall remove all sick, or injured persons as soon as their condition will permit of such removal; they may allow patients, paying reasonable compensation therefor, separate apartments and special accommodations, and such patients, if they so desire, shall have the right to be treated medically or surgically by their own physician; any ward patient paying ward rates, shall have the privilege of being attended by his own physician, but no such physician shall be allowed to receive compensation from any ward patient; nor shall any member of the staff receive any compensation from any ward patient. All compensation received by the trustees from patients shall be paid over to the City Treasurer.

Admission of persons.

Compensation.

SECT. 3. Said trustees shall, in their annual report, include a statement of the condition of the hospital, the number of its inmates, the admissions thereto and discharges therefrom, and the births and deaths therein during the year.

Annual report.

SECT. 4. The trustees of the Cambridge City Hospital shall be appointed by the Mayor, subject to confirmation by the Board of Aldermen, and each trustee shall serve for the term for which he was appointed or until his successor has been duly qualified. Upon the passage of this ordinance the Mayor shall appoint five trustees, one to serve until May,

Appointment of trustees.

¹ In force March 18, 1911.

² Approved March 4, 1912.

1913; one to serve until May, 1914; one to serve until May, 1915; one to serve until May, 1916; and one to serve until May, 1917. In the month of May, 1913, and in each succeeding May thereafter, the Mayor shall appoint a trustee to serve for the term of five years.

Vacancy.

Whenever any vacancy shall occur in said Board of Trustees, the same shall be filled by appointment by the Mayor, subject to confirmation by the Board of Aldermen, the new appointee to serve for the unexpired term; and no physician serving on the Board of Trustees shall be a member of the staff.

Assistants on staff.

SECT. 5. There shall be a staff of not less than six (6) six on the medical and six (6) on the surgical side, and such assistants as the Board of Trustees may determine. The members of the staff and the assistants shall be appointed by the trustees.

CHAPTER 54.

¹SALE AND USE OF BLANK CARTRIDGES, FIRECRACKERS, FIREWORKS, ETC.

SECTION 1. It shall be unlawful for any person, firm or ~~unlawful to sell~~ corporation to sell, offer or keep for sale, to loan or give away to any retail dealer, consumer or user, located within the city limits, or to fire, set off, explode or cause to explode any toy pistol, toy gun, or toy cannon, that can be used to fire a blank cartridge or a percussion cap; any detonating cane, any firecracker containing any explosive substance other than black gunpowder or exceeding two and one-half inches in length and five-eighths of an inch in diameter, any fireworks containing any picric acid or picrates, or any blank cartridge, bomb, or percussion cap; provided that this section shall not apply to fireworks of the kind not containing any picric acid or picrates set off between the hours of seven o'clock P. M. and twelve o'clock P. M., or to the sale and manufacture of any article herein named to be shipped directly out of the city, or to the sale or use of explosives in blasting and in the firing of salutes by official authorities, or to the sale or use of blank cartridges for a duly licensed show or theatre, for signal purposes in athletic sports, for the firing of salutes with cannon, or to the sale for use or use by the militia or any organization of war veterans or in teaching the use of firearms by experts on days other than holidays.

SECT. 2. No person shall fire, set off, explode or cause to ~~Distance from building in use of fireworks~~ explode any firecrackers or fireworks within fifteen feet of a ~~building in use of fireworks~~ building.

SECT. 3. Whoever violates any provision of this ordinance ~~Penalty in violation.~~ shall be subject to a penalty not exceeding fifty dollars for each offence.

CHAPTER 55.

¹DEALERS IN COAL AND COKE.License for
sale of

SECTION 1. All licenses granted by the Secretary of the Commonwealth to dealers in Coal and Coke within this City shall be for a period of one year from the issuance of said license by said Secretary.

CHAPTER 56.

²ANNUAL REPORTS OF OFFICERS AND BOARDS IN CHARGE OF
DEPARTMENTS.Departmental
expenses, etc.,
in detail.

SECTION 1. All officers or boards in charge of departments, except the City Auditor, shall present to the City Council annually, on or before the tenth day of April, a departmental report showing in detail the expenses of the department, the material and other property on hand, and an account of the work performed, and any other facts and recommendations which may be deemed advisable. The City Auditor shall present his annual report to the City Council during the month of April.

SECT. 2. So much of the Revised Ordinances of 1892 as amended to November 8, 1899, as may be inconsistent with the provisions of this ordinance is hereby repealed.

CHAPTER 57.

³INVALID TAX DEEDS.Method of
charging cost.

Whenever it shall appear to the City Treasurer that an invalid tax deed has been given by the Collector of Taxes for an estate sold at a tax sale, the City Treasurer shall charge the cost of calling in such invalid tax deed to the appropriation for "Abatements."

¹Approved February 10, 1909.

²Approved Jan. 20, 1909.

³Approved June 12, 1902.

CHAPTER 58.

¹SALE OF GOODS, WARES AND MERCHANDISE IN THE PUBLIC WAYS.

SECTION 1. No person shall, except in accordance with a permit from the Superintendent of Streets, sell upon any sidewalk of any public way any goods or article to a person on such public way; or, except in accordance with a permit as aforesaid, permit to remain in any public way, for more than ten minutes, any goods or article of which he is the owner or in charge.² The fee for the permit aforesaid shall be fifty cents.

Permits from
superintendent of
streets to
obstruct sidewalk.

SECT. 2. No person shall hawk or peddle any of the articles enumerated in Section 15 of Chapter 65 of the Revised Laws until he shall have recorded his name and residence with the City Clerk, and been given a permit therefor by the Board of Aldermen, and been assigned by the City Clerk a number; provided, however, that the foregoing provisions shall not apply to licenses issued under the authority of the Board of Aldermen to minors. ¹The fee for the permit aforesaid shall be fifty cents.

Permits from
city clerk to
peddle on street.

SECT. 3. No person hawking, peddling or selling or exposing for sale, any of the articles enumerated in Section 15 of Chapter 65 of the Revised Laws, shall cry his wares to the disturbance of the peace and comfort of the inhabitants of the City.

Crying wares.

SECT. 4. No hawker or peddler shall carry or convey any of the articles enumerated in Section 15 of Chapter 65 of the Revised Laws in any manner that will tend to injure or disturb the public health or comfort, and, if such articles are perishable in their nature, they shall be conveyed in vehicles or receptacles which are neat and clean and do not leak. Any vehicles, used as aforesaid, shall have printed on them in letters and figures at least two inches in height the name of the person selling and the number given him by the Board of Aldermen.

¹ Approved July 23, 1901.

² Amended Oct. 24, 1901.

Measures sealed.

SECT. 5. No hawker or peddler shall sell any of the articles enumerated in Section 15 of Chapter 65 of the Revised Laws, when said articles are sold by weight or measure, until such weight and measure shall have been stamped by the Sealer of Weights and Measures of the City.

Violation.

SECT. 6. The permit mentioned in Sections 1 and 2 shall state the conditions and terms under which said permission shall be granted, with all of which the licensee shall be deemed to comply by accepting the permit, and a violation of any of the terms of said permit shall of itself be a sufficient cause for the revocation thereof.

Penalty.

SECT. 7. Any person violating any of the provisions of this ordinance shall be liable to a penalty of not exceeding twenty dollars for each offence.

CHAPTER 59.

¹OFFICIAL BONDS.

SECTION 1. All city officials required to give bonds, shall hereafter give on their official bonds some incorporated surety company as surety, unless the Mayor shall be satisfied that a satisfactory surety of this character cannot be obtained at a reasonable premium, in which case he may accept individuals as sureties. They shall also give a new bond satisfactory to the Mayor whenever required by him to do so.

SECT. 2. The amount paid as premium for surety upon any bond aforesaid shall not exceed one-half of one per cent. of the penal sum named therein, and shall be allowed and paid as an expense of the department of which the principal on the bond is an officer or employee.

SECT. 3. So much of Chapters 4, 7 and 26 of the Revised Ordinances of 1892 of the City of Cambridge as amended to November 8, 1899, as may be inconsistent herewith is hereby repealed.

Bonds for
city officials.

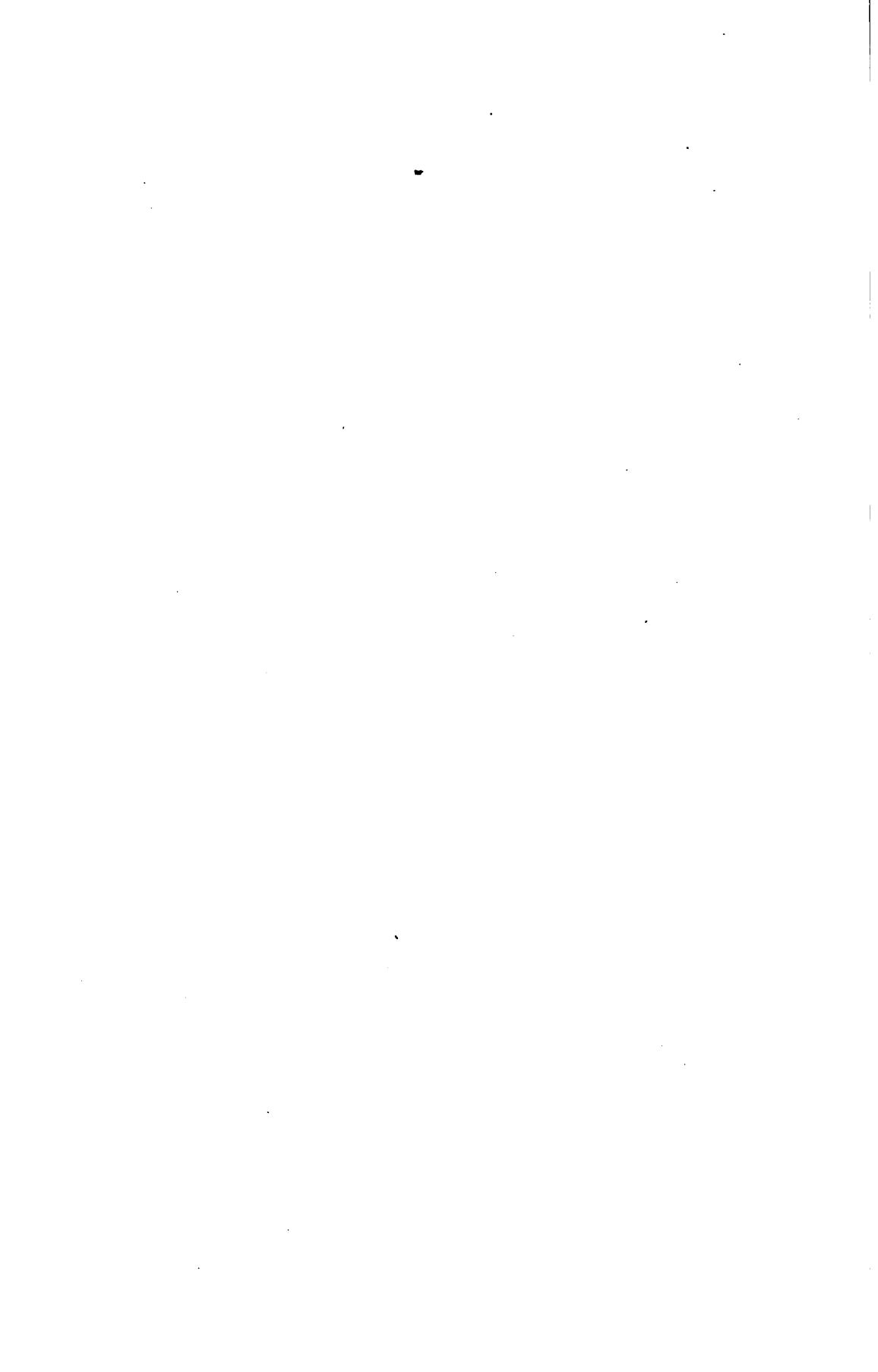
Premium for
surety.

CHAPTER 60.

SURVEY DEPARTMENT

Repealed by Legislative Act, Chapter 224, Acts of 1908, which was accepted by the City Council on May 21, 1908.

¹Approved April 18, 1901.



STANDING REGULATIONS
OF THE
BOARD OF ALDERMEN



REGULATIONS OF THE BOARD OF ALDERMEN

STREET RAILWAYS.

SECTION 1. No person having control of the speed of a street railway car shall allow the same to go in any street at a rate of speed greater than eight miles an hour, except that on ¹Massachusetts avenue, north of Harvard square, Garden street, Concord avenue, Huron avenue, Mt. Auburn street, west of Brattle street, and on Massachusetts avenue, southeast of Lafayette square, the rate of speed shall not be greater than twelve miles an hour, nor shall he allow such car while passing over a switch or a turn out, or in turning a corner to go faster than four miles an hour.

SECT. 2. No driver, conductor or other person having the care and ordering of a street railway car shall allow such car to stop on a cross-walk nor in front of an intersecting street, except to avoid collisions or to prevent danger to persons in the street.

SECT. 3. When the driver, conductor or other person having the care and ordering of a street railway car is required to stop his car at the intersection of two streets to receive or land passengers, the car shall be stopped so as to leave the rear platform of the car or train slightly over the farther crossing.

SECT. 4. Except to prevent accident or injury, no street car, or any horse or horses attached thereto, shall be run or placed in the public streets within twenty-five feet of another street car in front thereof.

SECT. 5. There shall be two men in charge of each car at all times when the cars are in use.

INTELLIGENCE OFFICES.

SECTION 1. The chief of police shall have the general supervision of all matters pertaining to the licensing, regulating and restraining of intelligence offices. He shall keep a book, in which he shall register, alphabetically, the names of ^{Intelligence office.}

¹ Amended March 20, 1895.

Street railway.

R. L. c. 112, § 40.
Acts 1905, ch. 876.

all persons licensed to keep intelligence or employment offices, together with the name and number of the street and the portion of the building which they occupy. And he shall see that each person licensed is furnished with a copy of the statutes and the rules and regulations of the Board of Aldermen, relating to the establishment and keeping of intelligence offices. He shall see that all persons licensed to keep the requisite books, and in all things conform to the requirements of the statutes and the rules and regulations. He shall be entitled to inspect, at any time, the books kept at licensed places as required by the rules of the board.

Application.

SECT. 2. All persons making applications for license to keep intelligence offices shall state in their petitions the place which they propose to occupy; and no person licensed shall occupy any other place without leave first obtained of the Board of Aldermen.

Signs.

SECT. 3. All persons licensed as aforesaid shall place in some conspicuous place on the premises occupied by them a sign, with their names and the word "licensed" thereon; and shall produce their license on the demand of any person doing business with them.

SECT. 4. They shall keep a book, in which shall be entered, at the time of application, the name and residence of any person who may apply for employment, and the name and residence of any person who may make application to be supplied with male or female domestics, servants, clerks or other laborers, and also any and all sums of money which may be received of any person for such services; and such books shall at all times be open to the inspection of the Board of Aldermen, or any person by them authorized.

Hours for intelligence offices.

²SECT. 5. Intelligence offices may be kept open for business between the hours of seven A. M. and eight P. M., Sundays excepted, and at no other hours. The fee for a license to keep an intelligence or employment office shall be three (\$3.00) dollars.

Compensations and fees.

¹⁻²SECT. 6. Every licensed keeper of an intelligence or employment office who furnishes employment for domestic servants, cooks, table girls, or waiters or waitresses in restaurants or boarding houses shall be entitled to receive of each person upon the furnishing of such employment, and also of each person making application for male or female servants,

¹ Amended Oct. 8, 1908.

² Amended Dec. 28, 1912.

a sum not exceeding twenty per cent. (20 per cent.) of one week's wages in the employment furnished; and for obtaining employment for clerks, draughtsmen, stenographers, typewriters, book-keepers, cashiers, employees in mercantile or other business houses, employees in warehouses, porters, night watchmen, railroad employees, gardeners and workers in other occupations, they shall receive from the person making application for such employment a sum not exceeding one-half of one week's wages in the employment furnished, for which a receipt shall be given at the time which shall state the amount received and the nature of the employment furnished. If a person who received employment through the agency of an intelligence or employment office is discharged by his or her employer within ten days after the time of entering upon such employment, and such discharge is not caused by his or her inability, incompetence, refused to perform work required, or other fault, the keeper of such intelligence or employment office shall on demand refund to him or her five-sixths of the amount paid to such keeper by the employer on account of such employment, and in the case of clerks, stenographers and others of the class who pay the entire fee for obtaining employment, they shall be entitled to file an application for a new position free of charge if through no fault of theirs said employment is discontinued within thirty days.

SECT. 7. Any person licensed to keep an intelligence office, who shall violate any of the provisions of the preceding sections, or any other rules and regulations that may be hereafter passed by the Board of Aldermen, shall be liable to have his license revoked; and any license may at any time be revoked for causes other than those specified.

MOVING BUILDINGS.

No license for the removal of any building through any public street, square or place shall be authorized until certificates have been presented to the board of aldermen from the superintendent of streets certifying the general conditions with regard to the streets, squares or places through which it is proposed to remove the building, from the inspector of buildings as to the safety of the structure to be moved,¹⁻² from the superintendent of parks of general conditions with reference to trees and the possibility of injury

¹ Amended Sept. 10, 1898.

² Amended March 24, 1898.

thereto, from the inspector of wires as to the conditions respecting electric wires on said route,¹ and, whenever it is proposed to move any building over and across any bridge which may be under the care of the commissioners of bridges, from the commissioner on the part of Cambridge, certifying the general condition of said bridge, and when the granting of such license is authorized it shall be upon the following conditions, viz.:

First.—Each and every chimney on said building shall be taken down even with the roof before the building is started.

Second.—The licensee shall give the chief engineer of the fire department and the inspector of wires notice of such removal, at least twenty-four hours before the building shall be placed in the street.

Third.—The licensee shall file with the superintendent of streets, before the building is placed in the street, a bond, the amount of which shall be satisfactory to the mayor, with sufficient surety to indemnify the city from all loss and damage by reason of such removal.

Fourth.—The licensee shall reimburse the city for any expenses incurred by it by reason of labor by any department of the city in cutting and replacing wires, trimming trees, or in any other way, by reason of said removal,² and before receiving a license the licensee shall deposit with the superintendent of streets, the sum of twenty-five dollars, which sum shall be returned to the licensee when he has reimbursed the city for such expenses.

The above conditions shall be printed upon and become a part of each and every license issued.

***MINORS' LICENSES.**

Minors' licenses.

SECTION 1. No minor shall sell or offer for sale upon the streets of this city any article named in said section 1, chapter 68, public statutes, unless licensed so to do in accordance with the provisions of this order.

SECT. 2. The licenses herein provided for shall be granted by the chief of police on application to him, to minors residing in the City of Cambridge. He shall keep a record of the name, age and residence of every person so licensed. No license shall be granted to a minor except

¹ Amended Sept. 10, 1898.

² Amended March 24, 1898.

³ Amended April 23, 1895.

⁴ Amended January 28, 1897.

upon application of his parents, guardian or next friend. The chief of police shall be entitled to receive the sum of twenty-five cents for issuing a license required by these rules and regulations, and shall furnish the licensee with a badge¹ for which said licensee shall deposit the sum of sixty cents. Said licensee¹ must return such badge upon the expiration or surrender of his license, and he shall be entitled to receive the sum of sixty cents therefor, provided such badge is in a reasonably good condition.

SECT. 3. No license shall be granted to any minor under the age of ten years, and every minor under the age of fifteen years so licensed shall each (school) day during the school year attend some school approved by the school committee.

SECT. 4. No sale of such articles shall be made by any minor under the age of fifteen years, between fifteen minutes before the opening and fifteen minutes after the closing of the school on any day in which said school which he is obliged to attend may be in session; nor shall the licensee offer such articles for sale on Sundays within two hundred feet of any place of worship.

SECT. 5.²

SECT. 6. While engaged in sale of any of the articles named in section 1, chapter 68, public statutes, every person so licensed shall wear in plain sight a badge with the words "Cambridge License," and the number thereon, and shall upon request of any city officer exhibit his license for inspection. No more than two licensees, and none other, shall be with, or accompany, or trade from any vehicle used in carrying or holding such article or products, and they shall at all times deport themselves in a respectful, orderly and quiet manner, and shall observe and follow any further orders or directions that may be given them by the board of aldermen, or any member of the police department, acting by the direction of that board.

SECT. 7. All such licenses shall expire on the 31st day of December in each year, and any of them may be suspended or revoked by the chief of police. Cruel treatment of animals, racing, or driving through the streets faster than allowed by law, profanity, impudent, indecent or violent language, or intemperance, one or all will be cause for revocation of the licenses.

¹ Amended Jan. 2, 1901.

² Amended June 29, 1911.

USE OF STREETS BY VEHICLES.

SECTION 1. Every vehicle, except street cars, bicycles and tricycles, which shall be used within the city of Cambridge for the conveyance of persons or goods of any description for hire from place to place within the city, before being so used, shall be licensed by the board of aldermen, and every vehicle so used for the conveyance of goods shall have placed upon the outside and upon each side of the same the name of the owner and the number of the license in plain, legible letters and figures, of not less than one and one-half inches in size, and so that the same may be distinctly seen.

SECT. 2. Upon each side of each hackney carriage so licensed there shall be fitted a lamp, which lamp shall always be kept lighted at night when the carriage is in use or waiting for passengers, and upon the glass covering of each of said lamps there shall be painted in black the number of the license in Arabic characters not less than one inch in size, and such numbers shall be preceded by the letter C, not less than one inch in size.

SECT. 3. Every hackney carriage shall carry its license so that it shall be accessible to passengers.

SECT. 4. No person shall set up and use or have charge of any hackney carriage which shall be used within the city of Cambridge for the conveyance of persons for hire from place to place within the city unless he is licensed thereto by the board of aldermen, nor unless the carriage is licensed, marked and numbered as provided in sections one and two, and carries its license as provided in section three,¹ and no license as aforesaid shall be issued to any minor.

SECT. 5. No person having charge of a hackney carriage shall solicit passengers, except by a motion of the hand, unless he is on or within ten feet of such vehicle.

SECT. 6. No person having charge of a hackney carriage shall solicit passengers in any public way or place within the city, unless he is licensed by the board of aldermen.

SECT. 7. The board of aldermen reserves the right to revoke any license at its discretion. If any person other than the owner or lessee shall take out a license for any such vehicle, he shall be liable to have his license revoked,

¹ Amended May 31, 1907.

and if any licensee shall cease to be an owner or lessee, he shall immediately surrender his license to the board of aldermen.

¹SECT. 8. The City Clerk shall receive for the use of the City the fee of one dollar for every license granted for a wagon stand, and for a hackney carriage. He shall likewise receive a fee of fifty cents for a license to a driver of a hackney carriage. He shall keep a record of the same and of licenses granted.

SECT. 9. Each license so granted shall expire on the first day of May next, after the date thereof, and no license shall be sold, assigned or transferred without the consent of the board of aldermen.

SECT. 10. No vehicle shall be set up in front of any premises without the written consent of the owner or the agent of the owner, and the occupant of said premises.

SECT. 11. The person in whose name the license is taken out for any such vehicle shall for all the purposes of this rule be considered as the owner of the same, and liable to all the forfeitures and penalties herein contained, unless, upon the sale of such vehicle, written notice be given to the city clerk and the license returned to him forthwith.

SECT. 12. No owner, driver or other person having charge of any such vehicle shall suffer the same when attached to a horse to stop in a street without some proper person to take care of the same unless said horse is properly and securely fastened; but no person shall be deemed to have violated this provision who is a physician visiting the sick or who is delivering goods, or taking orders at any house, store, building or tenement.

SECT. 13. Each person who uses or sets up a vehicle from which fruit or other merchandise is sold, shall keep the space at and around his stand free and clear from all rubbish, filth and deposits of every name and nature commissick or who is delivering goods, or taking orders at any ner satisfactory to the superintendent of streets.

SECT. 14. No person having charge of any hackney carriage shall receive or permit to be placed therein, or convey in or upon the same any person sick with any contagious disease, or the body of any person deceased from such disease.

SECT. 15. Every vehicle used, or to be used, for the con-

¹ Amended Feb. 27, 1907.

veyance of persons, except electric cars, bicycles and tricycles shall be deemed a hackney carriage within the meaning of the preceding sections.

SECT. 16. Whoever violates any of the aforesaid provisions contained in these rules shall be punished by a fine not exceeding twenty dollars for each offence.

¹⁻² BILLIARD AND OTHER AMUSEMENT LICENSES.

All licenses granted for keeping billiard, pool and sippio tables, and bowling alleys, shall be subject to the condition that the licensed premises may be kept open only between the hours of seven o'clock A. M. and twelve o'clock P. M., Sundays excepted, and at no other hours.

Provided, that, on Saturdays such licensed premises shall be closed at eleven and a half o'clock P. M.

The fee for billiard, pool and sippio table licenses shall be two dollars, and the fee for bowling alleys shall be two dollars.

¹PAWNBROKERS.

RULE 1. No person, corporation, members of a co-partnership, or firm shall, in this city, engage in or carry on the business of loaning money upon mortgages, deposits or pledges of wearing apparel, jewelry, ornaments, household furniture or other personal property (excepting, however, stocks, bonds, notes or other written or printed evidence of ownership of property or of indebtedness to the holder or owner of any such securities) or of purchasing such property on condition of selling the same back again at a stipulated price, unless such person, corporation, co-partnership or firm is licensed therefor by the board of aldermen of this city as pawnbroker, and unless such person, corporation, co-partnership or firm complies with all lawful rules, regulations and laws now and hereafter adopted, passed and enacted in reference and applicable to pawnbrokers.

RULE 2. No person, corporation, co-partnership or firm licensed as a pawnbroker in this city shall therein make any loan secured by mortgage or pledge of household furniture or any other personal property exempt from attachment or by assignment of wages for personal service, for less than two hundred dollars, and at a rate of interest

¹ Amended April 4, 1900.

² Amended April 30, 1900.

greater than twelve per cent., without first having obtained a license from the board of aldermen of this city for carrying on such business.

RULE 3. Each license issued to a pawnbroker shall set forth the name of the party licensed, the nature of the business, and the building or place in which it is to be carried on; and shall continue in force one year from the date thereof, unless sooner revoked. The place of business shall not be changed during the continuance of the license except special consent of the board of aldermen to removal is obtained. The fee for such license shall be fifty dollars.

No such license shall be transferable.

RULE 4. No pawnbroker shall charge upon loans made by them a greater rate of interest than as follows, to wit:—

On the sum of \$1.00 or less, first week, 5 cents; each week after, 2 cents.

On a sum of \$1.00 to \$3.00, first week, 4 per cent.; each week after, $2\frac{1}{2}$ per cent.

On a sum of \$3.00 to \$10.00, first week, 3 per cent.; each week after, 2 per cent.

On a sum of \$10.00 to \$25.00, first week, $2\frac{1}{2}$ per cent.; each week after, 2 per cent.

On a sum of \$25.00 to \$50.00, first week, 2 per cent.; each week after, 1 per cent.

On a sum of \$50.00 to \$100.00, first week, 3-4 per cent.; each week after, $1\frac{1}{2}$ per cent.

On a sum of \$100.00 to \$200.00, first week, $1\frac{1}{2}$ per cent.; each week after, $1\frac{1}{4}$ per cent.

¹RULE 5. Every pawnbroker shall keep at his place of business a book in which shall be legibly written in the English language at the time of making every such loan or purchase a minute and accurate account and description of the goods, articles or things pawned, pledged or purchased, particularly mentioning any prominent or descriptive marks on the same, the amount of money loaned or paid thereon, the day and hour of pledging or purchasing the same, the rate of interest to be paid on such loan, with the name, age and residence, giving street and number when possible, of the person pawning, pledging or selling such goods, articles or things. No entry in said book shall be changed, erased, obliterated or defaced.

RULE 6. Every such pawnbroker shall at the time of

¹Amended Sept. 18, 1907.

making such loan deliver to the person pawning or pledging any goods, article or thing, a memorandum or note numbered and signed by him, in a form satisfactory to the chief of police, containing the substance of the entry required to be made in his book by the preceding rule, and no charge shall be made or required by any pawnbroker for any such entry, memorandum or note.

¹RULE 7. Said book mentioned in Rule 5, and the premises at which the business is carried on, all things pawned, pledged or sold and stored therein shall at all reasonable times be opened to the full inspection of the mayor, chief, deputy chief, captains, chief inspector of police, any member of the district police, or any person who shall be duly authorized in writing for that purpose by any or either of them, upon exhibiting such written authority to the pawnbroker.

RULE 8. Every such pawnbroker shall each day, before twelve o'clock M., cause to be made out and delivered to the police captain of the district in which his business is conducted, a substantial copy of the entry required to be made in his book during the preceding twenty-four hours, and the number of the note or memorandum given by him.

RULE 9. Every such pawnbroker shall post in his office or in some conspicuous way at his place of business a printed copy of chapter 497 of the acts of 1895, and sections seven, eight, ten, eleven and twelve of chapter 192, of all acts since passed and as they may hereafter be passed in amendment, supplementary or in repeal of the chapter and several sections just enumerated.

¹RULE 10. No such pawnbroker shall directly or indirectly receive any article in pawn or pledge, or purchase of any minor, knowing, or having reasonable cause to believe him to be such, without the consent in writing of the parent or guardian of such minor.

RULE 11. A violation of any of these rules or of any subsequent rules that may be adopted in the premises shall of itself be sufficient cause and reason to revoke any such license. The board of aldermen reserves the right at any time for any other cause sufficient to them to revoke any license issued to any such pawnbroker.

RULE 12. Every such pawnbroker shall at the time of receiving his license file with the city clerk a bond to the

¹Amended Sept. 18, 1907.

city with two responsible sureties, to be approvad by the mayor in the penal sum of three hundred dollars, which bond shall be conditioned for the faithful performance of the duties and obligations pertaining to the business so licensed.

CONCERNING SMALL LOANS.

1. The board of aldermen, upon petition in form by them prescribed, will license such persons as to them may seem suitable to make loans secured by mortgage or pledge of household furniture or other personal property exempt from attachment, or by assignment of wages for personal service, for less than two hundred dollars, and at a rate of interest greater than 12 per cent., pursuant to and subject to the provisions of chapter 577 of the acts of the legislature of Massachusetts of the year 1898.

All such licenses shall continue in force for one year from the date thereof.

2. Applications for such licenses shall be made at least one month before the same are to be issued, and shall be published at the expense of the applicant to be paid in advance, by the board of aldermen, in two or more daily newspapers published in the city of Cambridge. Applications for such licenses shall be examined into and reported on by the chief of police. A fee of twenty dollars shall be paid for each such license at the time the same is issued.

3. Interest may be charged by persons licensed under this rule as follows: On loans not exceeding fifty dollars, at the rate of 24 per centum per annum; on loans of over fifty dollars, at the rate of 18 per centum per annum.

4. All persons licensed under this rule shall make a report to the said board in writing, of every suit brought upon any bond given by such licensee pursuant to the provisions of statute 1898, chapter 577, not later than ten days from the entry of the writ or other process by which such suit was commenced, which statement shall set forth the *ad damnum* of the writ and the names and residences of the parties to such suit, the court in which it was brought and the docket number thereof, if any. And when any such suit is finally disposed of, either by judgment or decree, or by order of the court, or by settlement, such licensee shall, within twenty-four hours thereof, give notice to said

board, in writing, setting forth the result of such suit or settlement, and the amount and terms of such judgment, order or decree, and the terms of such settlement, and the amount or other consideration given or promised therefor.

5. All persons licensed under this rule shall keep at their places of business a book in which shall be legibly written in the English language, at the time of making every such loan, a minute and accurate account and description of the goods, articles and things pawned or pledged (particularly mentioning prominent or descriptive marks on the same) or specifying the wages assigned, the amount of money loaned thereon, the day and hour when the mortgage or assignment was made, the date on which the debt is to become due, the rate of interest to be paid thereon, calculated at an annual rate of percentage, together with the name, age, residence, giving street and number, when possible, of the person pawning or pledging such goods, articles or things, or assigning such wages.

Every licensee shall enter in such book at the time of each payment by the borrower, the date of such payment, the amount then paid, a statement whether it is interest or a payment on account of principal, a statement of the total amount, both principal and interest, previously paid on such loan, and a statement of the amount still due on the principal after such payment.

There shall be a separate page or a separate portion of a page in such book for each loan, numbered consecutively, in which shall be entered all the entries and transactions relating to such loan and the number on such page or portion of a page shall correspond with the number on the memorandum or note to be furnished to the borrower as hereinafter specified. No entry in said book shall be changed, erased obliterated or defaced.

6. Every such licensee shall at the time of making such loan deliver to the person pawning or pledging any goods, article or thing, a memorandum or note numbered and signed by him, in a form satisfactory to the chief of police, containing the substance of the entry required to be made in his book by the preceding rule, and no charge shall be made or required by any such licensee for any such entry, memorandum or note.

Whenever any payment is made on account of any such loan the person receiving the payment, or his principal,

shall, when payment is taken, endorse on the back of such memorandum or note the date of such payment, the amount then paid, a statement whether it is interest or a payment on account of principal, a statement of the total amount, both principal and interest previously paid on such loan, and a statement of the amount still due on the principal after such payment. And the person receiving such payment, or his principal, shall sign such endorsement. If such memorandum or note is lost or destroyed, the lender shall furnish the borrower, on demand, a duplicate of the same free of charge, setting forth all the endorsements that were or ought to have been upon the original or upon any duplicate thereof, at the time of its loss.

7. Said book mentioned in rule 5 and the premises at which the business is carried on, all things pawned or pledged and stored therein, shall at all reasonable times be open to the full inspection of the mayor, chief, deputy chief, captains, chief inspector of police, any member of the district police or any person who shall be duly authorized, in writing, for that purpose by any or either of them, upon exhibiting such written authority to the licensee.

8. Every such licensee shall each day, before twelve o'clock M., cause to be made out and delivered to the police captain of the district in which his business is conducted, a substantial copy of the entry required to be made in his book during the preceding twenty-four hours and the number of the note or memorandum given by him.

The information so received by the chief of police shall not be divulged by him except when he is required so to do by law or by order of the board of aldermen.

9. No such licensee shall directly or indirectly receive any article in pawn or pledge of any minor, knowing or having reasonable cause to believe him to be such, without the consent in writing of the parent or guardian of such minor.

10. A violation of any of these rules or of any subsequent rules that may be adopted in the premises, shall of itself be sufficient cause and reason to revoke any such license. The board of aldermen reserves the right at any time for any other cause sufficient to them, to revoke any license issued to any such licensee.

11. Every such licensee shall, at the time of receiving his license, file with the city clerk a bond to the city

with two responsible sureties, to be approved by the mayor, in the penal sum of two hundred dollars, which bond shall be conditioned for the faithful performance of the duties and obligations pertaining to the business so licensed.

SALARIES OF CERTAIN OFFICERS.

Salaries of certain city officers.

The salaries of officers which are fixed by the board of aldermen are hereby fixed and established as follows, to wit:	
Superintendent of sewers	\$2000 00 per year
¹ Soldiers' aid clerk	1100 00 per year
³ Chief of police	2500 00 per year
Deputy chief of police	1500 00 per year
⁵ Captains of police	1500 00 per year
⁵ Lieutenants of police	1400 00 per year
Sergeants of police	1300 00 per year
Patrolmen, first two years of service	912 50 per year
Patrolmen, after two years of service	1042 86 per year
⁵ Patrolmen, after five years of service	1200 00 per year
² ⁴ Members of reserve police force, each	730 00 per year

In estimating the years of service, the time spent as a reserve police officer shall be considered service as a patrolman within the meaning of this regulation.

Whenever by reason of length of service the pay of a patrolman is to be increased, notice thereof shall be sent to the mayor by the chief of police, before placing the name of such patrolman upon the pay roll at the increased rate of compensation.

³The salary of the Chief of Police shall be inclusive of the cost of furnishing and maintaining a horse and carriage or other vehicle for his use.

⁶PENSIONING POLICEMEN

Persons eligible.

RULE 1. Upon the recommendation of the mayor, or the chief of police to the board of aldermen, or upon his own petition therefor, upon blanks prepared by the city clerk, any member of the police department of this city of the following three classes may as hereafter provided be placed upon the pension rolls:

¹ Amended Dec. 11, 1900.

² Amended March 22, 1901.

³ Amended June 1, 1906.

⁴ Amended March 29, 1909.

⁵ Amended June 25, 1912.

⁶ Adopted June 26, 1900.

First. Any member of the police department of this city Age and service. who has arrived at the age of sixty-five years and who has performed faithful service in said department for a period of not less than fifteen years.

Second. Any member of said department who shall be Certified by
city physician. certified to said board in writing by the city physician of this city as being permanently incapacitated, either mentally or physically, by injuries sustained through no fault of his in the actual performance of duty, from further performing duty as such member.

Third. Any member of said department who has performed faithful service therein for a period not less than twenty years, if, in the judgment of said board, said member is incapacitated for useful service in said department. Period of service.

RULE 2. The amount of pension granted under classes one and three shall be one-third of the annual compensation received by him at the time of his retirement; and under class two shall be one-half of such compensation. Amount of
compensation.

RULE 3. The city physician shall examine every person applying for a pension under classes one and three, and shall furnish to the board of aldermen a written statement in regard to the physical condition of each applicant, the circumstances under which the disability was incurred, and the sources of his information in regard to the same. Physical
condition.

RULE 4. All applicants for pension shall in the first instance be referred to the committee on police for hearing and report thereon to the board of aldermen. Committee
on police.

RULE 5. Upon the granting of any pension, the pensioner shall be placed on the retired list. Retired.

RULE 6. In case of emergency the chief of police may call upon any pensioner for temporary service in the department for which he is fitted, and during such service he shall be entitled to full pay. Emergency.

LOCATIONS GRANTED TO THE NEW ENGLAND TELEPHONE &
TELEGRAPH COMPANY OF MASSACHUSETTS.

¹SECTION 1. All locations hereafter granted to the New England Telephone & Telegraph Company of Massachusetts shall be granted on the condition that said company shall accept the provisions of the order granting such locations as specified in the following Acceptance of
provisions of
order.

FORM OF ACCEPTANCE.

Form.

Whereas, By an order of the board of aldermen of the city of Cambridge, adopted on the day of A.D. 19 , and approved by the mayor on the day of , A.D. 19 , the New England Telephone & Telegraph Company of Massachusetts was granted the right to ¹erect, maintain and use poles and support wires thereon, ¹construct, maintain and operate certain conduits, as specified in said order.

Now, therefore, now all men by these presents: that the said the New England Telephone & Telegraph Company of Massachusetts, in consideration of the premises, and of one dollar to it paid by the said city of Cambridge, the receipt whereof is hereby acknowledged, and in compliance with the terms and requirements of said order, doth hereby for itself, its successors and assigns, covenant, promise and agree to and with the said city of Cambridge that it, the said company, its successors and assigns, shall and will forever save harmless and indemnify the said city of Cambridge from and against all damages, costs, expenses and losses whatsoever, to which the city may be subjected in consequence of the acts and neglect of such persons and corporations, its agents, officers and servants, and any and all persons acting by, through or under such person or corporation, and in any manner arising from, or growing out of the use and transmission of electricity, the privileges permitted by the city, and the construction, maintenance, operation and use of said conduits, lines, wires, cables, posts, poles, structures, constructions, fixtures and apparatus under said order, and also to fulfil all their agreements with the said city, all the lawful orders, conditions and obligations now and hereafter imposed by the board of aldermen, and all lawful obligations and duties now or hereafter required by law, and by chapter 14 of the revised ordinances of 1892, as amended to November 8, 1899, and every other lawful ordinance and all addition and amendments relating thereto; and that it, said company, accepts, receives and holds said license and permission, and its rights and privileges under the same, upon the conditions, terms and provisions aforesaid, and that it agrees to, and adopts as its agreement, all the conditions, terms and provisions afore-

¹ Erase what is not applicable.

said, and will fully carry out, observe, perform and be subject to the same.

CONDUIT LOCATIONS.

¹SECT. 2. The authority and rights granted shall be subject to all existing and future ordinances and amendments thereto, and to all existing and future orders of the board of aldermen, relating to underground conduits, and to the following further conditions, to wit:

1. In every underground conduit constructed by said company one duct not less than three inches in diameter shall be reserved and maintained, throughout its entire length, free of expense, for the use of the fire, police and other telegraph and telephone signal wires belonging to the city of Cambridge and used exclusively for municipal purposes. The city shall have equal facilities with the company, for putting in, taking out and repairing its wires and cables of said conduit system. The right is also reserved to the city to connect from any other conduit system or from distributing poles, pipes or buildings, either municipal or private, to the manholes constructed by said New England Telephone & Telegraph Company of Massachusetts for the purpose of carrying the said telegraph and telephone signal wires owned by said city from one system of conduits or poles to any other system of conduits, or to other poles or buildings; provided, however, that said company, if it shall so elect, may construct, build or provide the other manholes at its own expense for the use of the city in making connections with the ducts reserved for municipal signal wires as aforesaid.

2. The authority herein granted is also subject to the right and privilege of the city, if it shall so elect at any time, and if it shall have the right, to purchase of said company, its successors or assigns, all or any part of said conduits at a price not exceeding the original cost thereof, to be fixed, in case the parties cannot agree, by the chief justice of the superior court at the time. In case the chief justice declines to serve, it shall be fixed by three referees, one of whom shall be appointed by the mayor, one by the said company, and the third by the two before mentioned, and by accepting the authority herein given, said company, for itself, its successors and assigns, does thereby agree to sell upon the aforesaid terms to the city aforesaid.

^{Authority and rights for location.}

^{Underground conduits.}

¹Amended Oct. 28, 1911.

**Report after
completion of
conduits.**

Within six months after the completion of the construction of the conduits built under the authority conferred by this order, or whenever, during such construction, the mayor shall so request, said company shall file with the city clerk a statement in such form as the mayor shall require, showing the original cost of said conduits, said statement to be certified by the president of said company.

**In case of
disagreement.**

3. In case of purchase as aforesaid, said company shall thereafter have the right to use said conduits by payment to said city of such rental, in case the parties cannot agree, as said chief justice of the superior court or referees may determine.

**Construction of
conduit and
repair of streets.**

4. Said company shall construct said conduit system in such locations in the said streets as may be designated by the City Engineer and to the satisfaction of the mayor, the superintendent of streets, and the city engineer. Within three months from the time of completion of the said conduit system, said company shall file with the city engineer and city electrician satisfactory plans showing in detail the location, size, depth, appurtenances and details of construction of the systems as built; the time, manner, place, and duration of the opening of streets for the construction of said conduits, and the time within which the work shall be completed, shall be under the direction of the superintendent of streets of said city. Whenever said company shall dig open any street for the construction, maintenance, operation or repair of any part of said system, it shall refill and repair said street to the satisfaction of the superintendent of streets. In constructing said conduit system, and in making repairs upon the same, it shall employ Cambridge labor, with the exception, only, of skilled men required in the work.

**Rates of discount
to city for use
of streets.**

5. That said company while using any part of the conduit system authorized by this order, shall, so long as it shall pay no compensation for the use of the streets occupied by said conduit system in whole or in part, allow and remit to the city a discount of thirty-three and one-third (33-1/3) per cent. from the regular rates established for exchange service for the use of its telephones by others in this city, for and on account of all telephones and other patents of and used by said company for the sole use of the city.

**Removal of
features, etc.,
after completion.**

6. That said company within such time after the completion of the work authorized in this order as the board of

aldermen shall designate, shall remove from the streets named in this order all its present poles, wires, cables, posts, structures, constructions, fixtures and apparatus with the following exceptions:

(1) Such necessary poles as the board of aldermen shall allow to be retained and to be used solely for distribution from said conduit.

(2) Poles now used jointly by said company and the Boston Elevated Railroad Company as long as they shall be so used.

7. The said company before beginning work under this order shall accept this order in form of written acceptance provided in the standing regulations of the board of aldermen, and shall give to the city of Cambridge a bond which shall be satisfactory to the mayor, conditioned to indemnify and save the city harmless from and against all claims, damages, costs and expenses and losses whatsoever, to which the city may be subjected in consequence of the acts and neglect of such person or corporation, their agents, officers and servants, and any and all persons acting by, through or under such person and corporation and in any manner arising from and in any way growing out of the construction, maintenance and operation of said conduit system, under this order.

Form of written acceptance.

¹⁻²JUNK, OLD METALS, SECOND-HAND ARTICLES AND RAGS.

SECTION 1. The chief of police, the deputy chief of police, and any police officer, shall at all times have authority to inspect and examine all books kept by keepers of shops for the purchase, storage, sale or barter of junk, old metals or second-hand articles, or rags, as well as to inspect and examine any such shop and all articles and merchandise therein, or any vehicle used in the collection of any of the aforesaid articles.

Examination of books, etc., in junk shops.

SECT. 2. Every license to a collector and dealer in, or keeper of a shop for the purchase, storage, sale or barter of junk, old metals and second-hand articles, and to every collector and dealer in rags in this city, shall contain the requirements of the ordinances and regulations applicable thereto, and shall also contain, with reference to the license issued to collectors and dealers in junk, old metals, second-hand articles and rags, the further provision that each such collector and

License and badge of junk collector.

¹Amended April 4, 1900.

²Amended April 18, 1907.

Fee.

dealer shall, in addition to his license, receive from the city clerk a badge, for which he shall pay the sum of fifty cents (50c.).

Wearing the badge.

SECT. 3. While engaged in the collection of junk, old metals, second-hand articles or rags, every person so licensed shall wear in plain sight a badge with the appropriate words and number thereon, and shall, upon the request of any police officer, exhibit his license for inspection.

Name and number of license on wagon.

SECT. 4. Every vehicle used in collecting, transporting or delivering any junk, old metals, second-hand articles or rags, shall have the name of the owner and the number of his license placed upon the outside of each side thereof, in plain, legible letters of not less than one and one-half inches in height, so that they may be distinctly seen.

List of Public Statutes and Parts of Statutes requiring acceptance which have been accepted by the City of Cambridge and the dates of such acceptances.

PUBLIC STATUTES

CHAPTER 28.

Sections 17 to 22 inclusive:—

Relating to vacancies in the offices of mayor, alderman, member of common council, or any other office to be filled by popular election.

Duties of ward officers, and the removal of officers from one ward to another ward in the city, after election.

Corresponding provisions of chapter 19, General Statutes, to wit:—Sections 6 to 11 inclusive, were accepted October 31, 1860. Section 23:—

Providing that the mayor or any alderman or member of the common council may at the same time hold any other office under the city government except one of emolument.

Accepted December 27, 1888.

CHAPTER 50.

Section 25. Apportionment of sewer and sidewalk assessments:—

The provisions of chapter 249, of the acts of the year 1878, which correspond to the provisions of the above-named chapter were accepted by an ordinance passed November 19, 1879.

CHAPTER 51.

Sections 1 to 10 inclusive:—

Authorizing the assessment of betterments on account of public improvements. *Accepted by vote of city council, approved December 28, 1887.*

CHAPTER 58.

The inspection and sale of provisions and animals intended for slaughter. *Accepted February 5, 1890.*

CHAPTER 60.

Sections 32, 33 and 34. Authorizing the appointment of weighers of hay:—

The provisions of sections 72, 73, 74 and 75, of chapter 49, General Statutes, which correspond to the provisions of the above-named sections were *accepted January 9, 1861.*

CHAPTER 80.

Sections 8 to 12 inclusive. Authorizing the appointment of a board of health:—

The provisions of chapter 133, of the acts of 1877, which correspond to the provisions of the above-named sections, were *accepted November 6, 1877.*

CHAPTER 101.

Sections 1 to 5 inclusive:—

Burnt or dangerous buildings, adjudged nuisances and how such nuisances may be abated. *Accepted June 19, 1884.*

CHAPTER 102.

Sections 40 to 48 inclusive:—

Regulating the erection and maintenance of steam engines, furnaces and boilers. *Accepted January 29, 1890.*

Chapter 197, of the acts of the year 1845. Accepted May 12, 1845.

Sections 122 to 127 inclusive:—

Regulating issuing of smoke. *Accepted May 16, 1907.*

CHAPTER 104.

Section 1. Cities may make by-laws for the prevention of fires:—

The provisions of chapter 243 of the acts of 1872, which correspond with the provisions of the above-named section, were *accepted May 17, 1872.*

Sections 4 to 11 inclusive:—

The inspection of buildings. *Accepted January 23, 1885.*

CHAPTER 257. ACTS OF 1857.

In relation to Hancock Free Bridge. *Accepted June 15, 1857.*

CHAPTER 384. ACTS OF 1888.

In relation to armories for militia. *Accepted November 22, 1901.*

CHAPTER 74. ACTS OF 1890.

In relation to the preservation of the public health in cities. *Accepted May 15, 1890.*

CHAPTER 341. ACTS OF 1892.

In relation to public parks. *Accepted June 15, 1892.*

CHAPTER 378. ACTS OF 1892.

Pensions for police. *Accepted May 2, 1900.*

CHAPTER 462. ACTS OF 1893.

In relation to establishing a building line on public ways. *Accepted July 28, 1893.*

CHAPTER 337. ACTS OF 1893.

In relation to public parks. *Accepted June 7, 1893.*

CHAPTER 364. ACTS OF 1894.

Authorizing the city to continue the pay of disabled officers and employees in certain cases. *Accepted May 31, 1894.*

CHAPTER 481. ACTS OF 1894.

Sections 11, 14, 15, 16, 17, 18, 19, 20, 21, 22:—

Relative to the regulation and inspection of buildings. *Accepted November 21, 1894.*

CHAPTER 99. ACTS OF 1895.

Authorizing the city to establish hospitals for contagious diseases. *Accepted March 20, 1895.*

CHAPTER 71. ACTS OF 1895.

Authorizing city to establish fire limits. *Accepted March 27, 1895.*

CHAPTER 236. ACTS OF 1895.

Authorizing the placing of parks and commons under the charge of the park commissioners. *Accepted May 8, 1895.*

CHAPTER 173. ACTS OF 1896.

Amending Charter, etc. *Accepted April 1, 1896.*

CHAPTER 175. ACTS OF 1896.

Clay pits. *Accepted April 16, 1896.*

CHAPTER 238. ACTS OF 1896.

Building sewers by Cambridge and Somerville. *Accepted May 12, 1896.*

CHAPTER 455. ACTS OF 1894.

Plumbing: Supervision and licensing. *Accepted November 12, 1894.*

CHAPTER 507. ACTS OF 1895.

Caucus act. *Accepted by voters of Democratic Party April 28, 1897.*

CHAPTER 314. ACTS OF 1896.

Reserve police force. *Accepted November 17, 1897.*

CHAPTER 462. ACTS OF 1893.

Building line on public ways. *Accepted April 13, 1898.*

CHAPTER 313. ACTS OF 1896.

As amended by chapter 379, acts of 1897. Building line and height of buildings on parkways, etc. *Accepted April 13, 1898.*

CHAPTER 267. ACTS OF 1898.

Firemen's pension. *Accepted by voters December 13, 1898.*

CHAPTER 548. ACTS OF 1898.

Sections 99-131 inclusive:—

Caucus act. *Accepted by voters of Republican party September 28, 1898.*

CHAPTER 344. ACTS OF 1899.

Eight-hour law. *Accepted by voters December 12, 1899.*

CHAPTER 179. ACTS OF 1899.

To vacate certain sewer assessments. *Accepted April 13, 1899.*

CHAPTER 275. ACTS OF 1899.

Drain by city of Somerville. *Accepted August 4, 1899.*

CHAPTER 246. ACTS OF 1900.

Pension of firemen. *Accepted by voters December 11, 1900.*

CHAPTER 105. ACTS OF 1901.

Charles River dam. *Accepted July 3, 1901.*

CHAPTER 332. ACTS OF 1901.

Three-year term for city clerk. *Accepted by voters December 10, 1901.*

CHAPTER 397. ACTS OF 1901.

Election of members of common council. *Accepted May 16, 1901.*

CHAPTER 357. ACTS OF 1902.

Election of school committee. *Accepted June 27, 1902.*

CHAPTER 428. ACTS OF 1903.

Pensions for police. *Accepted July 18, 1903.*

CHAPTER 454. ACTS OF 1903.

Primary election. *Accepted by voters November 6, 1903.*

CHAPTER 373. ACTS OF 1905.

Three-year term for city auditor. *Accepted by voters December 12, 1905.*

CHAPTER 520. ACTS OF 1906.

In relation to subways. *Accepted June 28, 1906.*

CHAPTER 529. ACTS OF 1906.

Alewife Brook improvement. *Accepted October 27, 1906.*

CHAPTER 256. ACTS OF 1907.

Private Passageways. *Accepted May 31, 1907.*

CHAPTER 491. ACTS OF 1907.

Three-year term for city solicitor. *Accepted by voters December 10, 1907.*

CHAPTER 565. ACTS OF 1907.

Time of city election, etc. *Accepted by voters December 10, 1907.*

CHAPTER 566. ACTS OF 1907.

In relation to powers of school committee. *Accepted by voters December 10, 1907.*

CHAPTER 216. ACTS OF 1908.

Apportionment of sidewalk assessments. *Accepted February 10, 1909.*

CHAPTER 224. ACTS OF 1908.

Repeal; board or survey. *Accepted May 21, 1908.*

CHAPTER 513. ACTS OF 1908.

Relative to playgrounds. *Accepted March 9, 1909.*

CHAPTER 498. ACTS OF 1908.

Pension fund for teachers. *Accepted by voters March 11, 1913.*

CHAPTER 423. ACTS OF 1909.

Sale of commodities on Lord's Day. *Accepted June 26, 1909.*

CHAPTER 514. ACTS OF 1909.

Section 42:—

Eight-hour day. *Accepted by voters March 11, 1913.*

CHAPTER 367. ACTS OF 1911.

Use of school halls. *Accepted May 25, 1911.*

CHAPTER 405. ACTS OF 1911.

Boundary line between Arlington and Cambridge.
Accepted June 2, 1911.

CHAPTER 447. ACTS OF 1912.

Retirement of veterans. *Accepted April 30, 1912.*

CHAPTER 546. ACTS OF 1912.

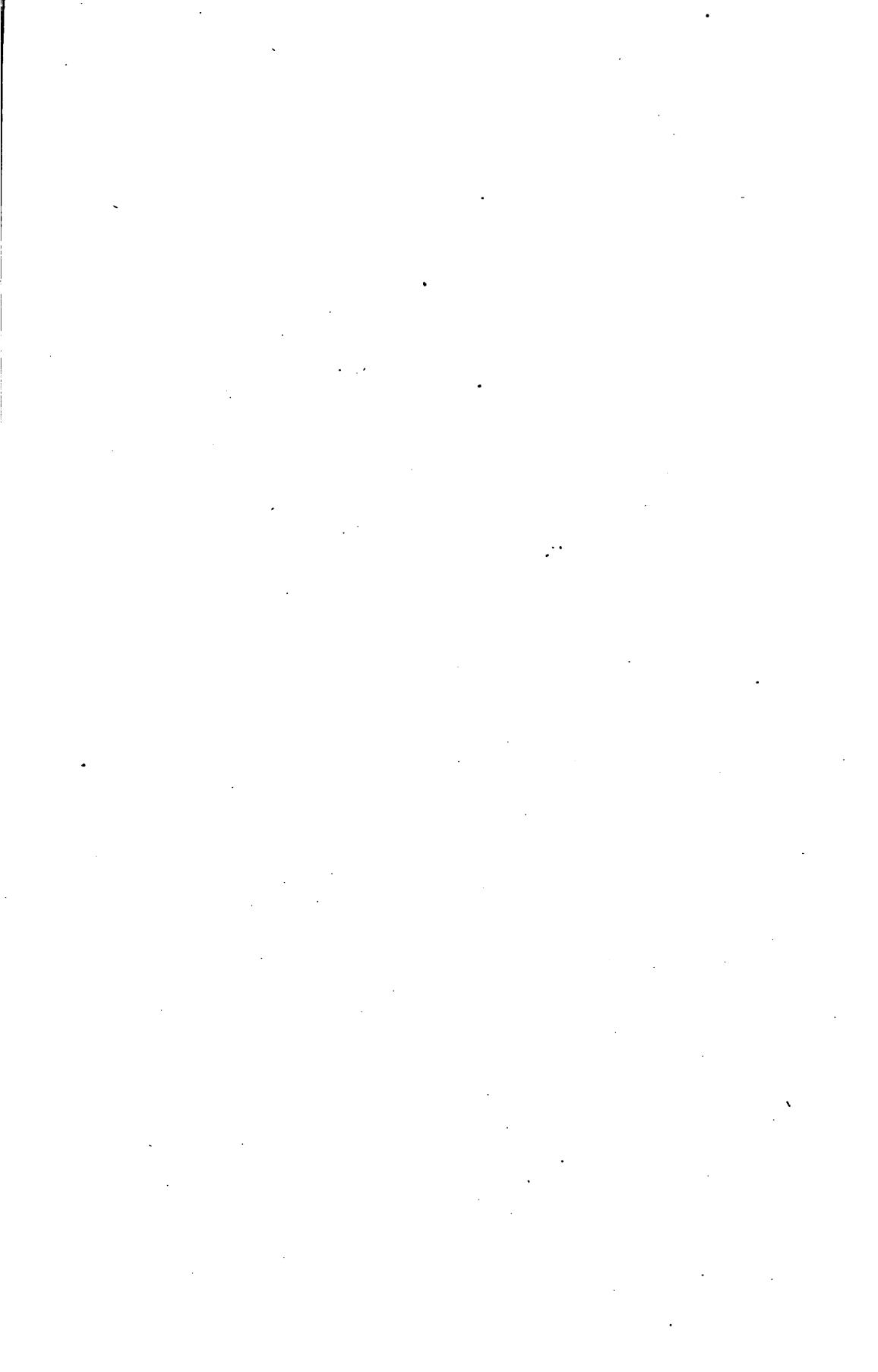
Vacation of members of fire department, one day in five.
Accepted by voters March 11, 1913.

CHAPTER 503. ACTS OF 1912.

Pension for laborers, etc. *Accepted by voters November 5, 1912.*

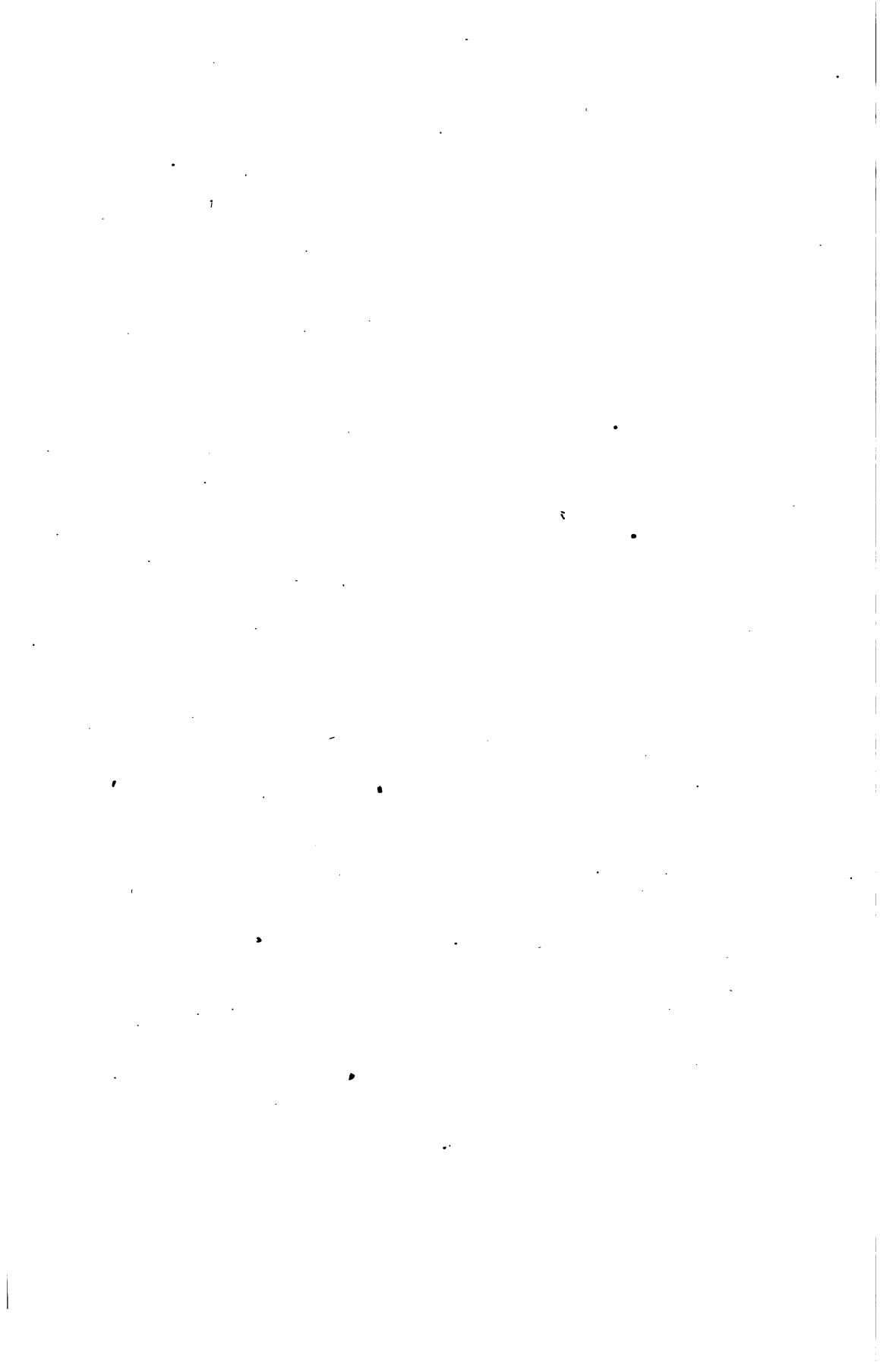
CHAPTER 578. ACTS OF 1912.

Indebtedness for park purposes. *Accepted July 5, 1912.*



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